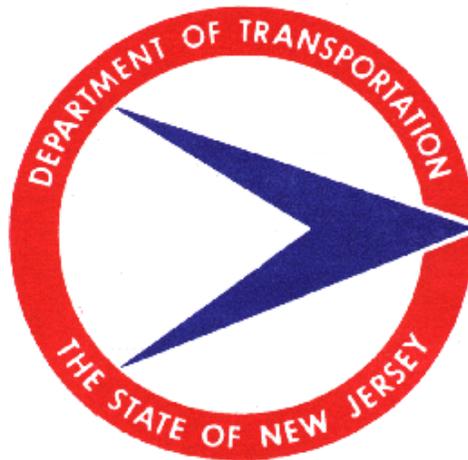


CONTRACTORS PAYMENT SYSTEM FRONT END (CPSFE)

**for use in the preparation of
FINAL ENGINEER'S CONSTRUCTION
ESTIMATES**



**WINDOWS VERSION 1.2
OPERATING
INSTRUCTIONS**

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COST ESTIMATING SECTION**

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CONTRACTOR PAYMENT SYSTEM FRONT END

I. PURPOSE

The Contractor Payment System Front End (CPSFE) personal computer program is one of the computer programs used to develop Final Engineer's Construction Estimates for the New Jersey Department of Transportation. It is used by consultants and design units of the Department to create the data files needed by the Department to produce Final Engineer's Construction Estimates for Capital Program projects. When the data files are complete they are uploaded by the Department to the CPS program on the mainframe to produce the contract documents.

II. COMPUTER PROGRAM

The program has been designed as a WINDOWS based application, which can run under Windows 3.1 and 3.11, Windows 95 & 98, and Windows NT. These instructions have been written for Win95/98 or NT 4. It is a compiled FoxPro program, and supercedes the DOS 2.1 version and the Windows Versions 1.0 and 1.1 versions. If you are currently running the previous Windows version, download the upgrade file. The CPSFE Program Version 1.2 will allow users to prepare Final Engineer's Construction Estimates for both English and Metric projects. This is accomplished by the user selecting the year of the Standard Specifications being used for the project which will, in turn, automatically indicate to the program which Standard Item database (1989 for English or 1996 for Metric) to use for the Engineer's Estimate.

The new features of this version are as follows:

- ✓ The price field for an item has been increased to allow for a maximum unit price of \$99,999,999.9999.
- ✓ A drop down menu has been added in the Engineer's Heading File to indicate the year of the Standard Items to be used for the project, the Region of the State and the county or counties included in the project.
- ✓ Instructions have been provided for Windows installation and a Windows Help menu is available inside the application.
- ✓ A conversion option has been provided to convert CPS data created by CPS Program Version 2.1 for use with the new version.
- ✓ The bid price report has been converted to a database and is used to assist the estimator in pricing.



CAUTION! Data created by the DOS version of the CPS program will not automatically run in the new version because the base system has been converted to a windows format. Refer to Section VII of this manual for conversion instructions.

III. SOFTWARE

The software package consists of the CPSFE Version 1.2 program files, and the Standard Item and Bid Price database files (supplied by the Department), and a data diskette (supplied by the user). The CPSFE program is in a zipped file that are listed below, however, the software package obtained from the Department may be on individual diskettes.

A. FILE SETS

The four sets of files indicated below consist of the CPSFE program, Standard Item Files, Bid Price Files, plus a data diskette that is supplied by the user for storing the data files for the project. These sets of files are as follows:

1. PROGRAM FILES

This zipped file named Cpsseteup.zip contains the executable program that installs the Engineer's Estimate System on the hard drive of the computer.

The following are the files inside the zipped file:

_MSSETUP.SU	_MSTEST.EX_	52192778.SE\$	COMMDLG.DL_
CONFIG.FP\$	CPSFE.EX\$	CPSFE.IC\$	CPSFE.IN\$
CPSFE2.EX\$	CPSHELP.HL\$	DDEML.DL_	EARTH.BM\$
FOXFONT.85\$	FOXFONT.FO\$	FOXPRINT.FO_	FOXPRINT.TT_
FOXPRO.IN\$	FOXRUN.PI\$	FOXTOOLS.FL\$	FOXUSER.DB\$
FOXUSER.FP\$	FOXW2600.ES\$	FOXW2601.ES\$	FOXW2602.ES\$
FOXW2603.ES\$	LETGOT.FO\$	LETGOT.TT\$	LETGOTB.FO\$
LETGOTB.TT\$	LETGOTI.FO\$	LETGOTI.TT\$	MSCOMSTF.DL_
MSCULSTF.DL_	MSDETSTF.DL_	MSINSSTF.DL_	MSSHLSTF.DL_
MSUTILSTF.DL_	OLECLI.DL_	OLESVR.DL_	PROJECTS.CD\$
PROJECTS.DB\$	README.TXT	SETUP.EXE	SETUP.IN_
SETUP.INF	SETUP.LST	SETUP.MS_	SHELL.DL_
SKLALTER.DB\$	SKLDELTA.CD\$	SKLDETAL.DB\$	SKLQUANT.CD\$
SKLQUANT.DB\$	TOOLHELP.DL_	VER.DL_	

2. STANDARD ITEM FILES, MIXED SPECIFICATION YEAR

This zipped file named StandardItemFiles.zip contains the Standard Item database files to be used for English or Metric projects and is necessary to run CPSFE. The following are the files inside the zipped file:

STANDITM.CDX	Index file for the database
STANDITM.DBF	Standard item file in a database format

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3. **BID PRICE FILES, MIXED SPECIFICATION YEARS**

This zipped file named BidPriceFiles.zip contains the (Average Weighted) Bid Price database files to be used for English or Metric projects and is necessary to run CPSFE. The following are the files inside the zipped file:

BIDPRICE.CDX	Index file for the database
BIDPRICE.DBF	Bid Price Report in a database format

4. **DATA DISKETTE**

This diskette is a blank formatted diskette to be supplied by the user and used for data files. A subdirectory is created using the DP Number XXXXX.

The following are examples of the files that will appear in the Subdirectory XXXXX.

ENGHEAD.DBF	Database which holds the Engineer's Heading information for project XXXXX.
DETAIL.DBF	Database that holds the Engineer's Category information for project XXXXX.
DETAIL.CDX	Index for the Engineer's Category database.
QUANTITY.DBF	Database that holds the Engineer's Quantity information for project XXXXX.
QUANTITY.CDX	Index for the Engineer's Quantity.
LOWALTER.DBF	Temporary database used in calculating the low alternates.

CAUTION! It is strongly recommended that only one project be placed on a data diskette since files do sometimes go bad. Only one project would then be affected. Secondly the system does not have the capability to determine when a diskette is about to fill up. Either case could cause considerable work in reentering the data for lost projects.



D. MAINTAINING SOFTWARE

The software package for the Contract Payment System Front End is supplied by the Department and can be obtained as follows:

1. **FROM NJDOT Web Site**

Download Cpssetup.zip, StandardItemFiles.zip, and BidPriceFiles.zip from the Department's Web Site (<http://www.state.nj.us/transportation>) and go to the Capital Program Management area, then the CPM Table of Contents, then the Cost Estimating and Pricing Info area. Download all three of these zipped files to the **Temp** directory in your PC's hard drive. Check every two months for updates to the database files. For upgrading from previous Windows versions get the Cpsupgrd.zip file.

2. **FROM DISK COPIES**

Those who do not have access to the Department's Web Site can obtain a disk copy of the software package directly from the Department. The software package obtained in this manner consists of four separate diskettes and should be treated as an original copy.

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When the software package is received, copy the files into the Temp directory on your hard drive and use for installation in accordance with *Section IV* of this Manual.

IV. INSTALLING THE SYSTEM

The System has been designed to operate from a hard disk only. The installation program included on the first zipped file will install the executable CPSFE program onto the hard disk.

1. Unzip the Cpssetup.zip file in the Temp directory. (WinZip from www.Winzip.com is good)
2. Select **Start /Run in Windows**.
3. Type **C:\temp\setup** in the box and press enter.
4. When the screen showing the target directory and Program Manager group appears, select **Continue**.
5. Unzip the StandardItemFiles.zip and BidPriceFiles.zip files to the installed location of the CPSFE program (i.e. C:\Program Files\CPSFE). Do this also after downloading updates.

V. STARTING UP THE SYSTEM

From within **Start /Programs**, double-click the CPSFE icon for the application. Refer to *Section VIII* of this Manual for instructions on operating the System.

VI. CONFIGURING THE SYSTEM

The software package for the System has been designed to operate within the Windows environment. The first time the CPS program is used, the System must be configured to properly run the system.

CPSFE requires the **Letter Gothic** font for some of the reports. If this font is not installed on your system, follow these steps to install the font (the font is supplied with **CPSFE**):

1. From **Start /Settings /Control Panel**, select **Fonts**.
2. In the **Files /Install New Fonts** screen, click on the **Add** button.
3. In the **Install New Fonts** screen, select the directory that was just created by the Install process and select all three **Letter Gothic** fonts that appear in the Fonts list. Check the box to copy the fonts to the Windows Directory. Click the **ok** button to install the fonts and return to the Fonts screen.
4. In the **Fonts** screen, click the **Close** button to exit back to the **Control Panel**.

If you do not install the Letter Gothic font, your reports will not print properly.

Follow the procedure outlined in *Section V* to start up the System and arrive at the Main Menu.

Under the **File** menu select and **import** the **Standard Item** and **Bid Price** databases from the supplied zipped files before entering data for any projects.

VII. CONVERTING DATA FILES

Data files created for projects by DOS versions of the CPS program will not run in CPSFE Program Version 1.2. The new version of the program requires that the data be converted. From the menu select **File**, then select **Import Existing Project from**, click on **Old System**.

VIII. OPERATING THE SYSTEM

For ease of operation, the System has been designed to be point and click with drop down list driven. Directions are provided on each menu for proceeding through the system with an online Help file. Once into the System, various projects both English and Metric can be worked on in the same session, however, mixing of the Specification years on a given project is not allowed.

- A. Keyboard Navigation
- B. Troubleshooting
- C. File Menu
- D. Data Menu
- E. Reports Menu
- F. Goodies Menu
- G. Help Menu

A. Keyboard Navigation



If you prefer to use the keyboard instead of the mouse to navigate around **CPSFE**, here are the various keys that can be used. These are standard for most Windows programs.

Menus

A pulldown menu can be selected from the menu bar by pressing the **Alt** key and, while holding it down, pressing the key corresponding to the underlined letter in the menu name. For example, to pull down the **F**ile menu, press **Alt-**

F; to pull down the **D**ata menu press **Alt-D**.

To select an item from a pulldown menu, just press the key corresponding to the underlined letter in the name. For example, to select **D**etail **E**stimate **F**ile from the Data menu, pulldown the Data menu and just press the **d** (or **D**) key.

The **left** and **right** arrow keys can be used to cycle through the pulldown menus in the menu bar. The **up** and **down** arrow keys can be used to scroll up and down a pulldown menu.

The **Enter** key can be used to select a highlighted option in a pulldown menu.

Input Screens

The four **arrow** keys allow you to move from field to field on an input screen. The **right** and **down** keys will move you forward to the next field while the **left** and **up** keys will move you back to the previous field.

Exceptions:

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1. When on a **pull-down** control, the **up** and **down** keys move you through the selections for that pull-down. Press **enter** to select a highlighted option in the pull-down control.
2. When on a **type-in** control, the **left** and **right** keys move you back and forth through the text in that field.
3. When in a **radio button** group, the **left**, **right**, **up** and **down** keys will cycle through the buttons, highlighting each button title. Press **enter** to select a highlighted button.

The **Tab** key will move you forward to the next field.

The **Enter** key will also move you forward to the next field, except when you are on a pull-down field or a radio button group.

Help

Help can be invoked at any time by pressing the **F1** key.

B. Troubleshooting



A DP Number is not selectable in the Open Project Screen Pull-down:

If a DP Number is visible in the pull-down list but is dimmed (not selectable), it means that another copy of **CPSFE** is already running and using *that* particular project.

CPSFE was designed to allow running multiple copies, as long as each copy of **CPSFE** is working with a *different* project. No single project can be accessed by two running copies of **CPSFE**.

If you are **not** running another copy of **CPSFE**, then at some previous session, **CPSFE** terminated abnormally while using this project and now the system thinks this project is in use. In this case, select the **Reset Button** on the **Open Project** screen, and then select **OK** on the **Warning** screen. This will reset the *in use* flag for all projects. You can then select the project from the pull-down on the **Open Project** screen.

Error Messages:

'Insufficient Memory'

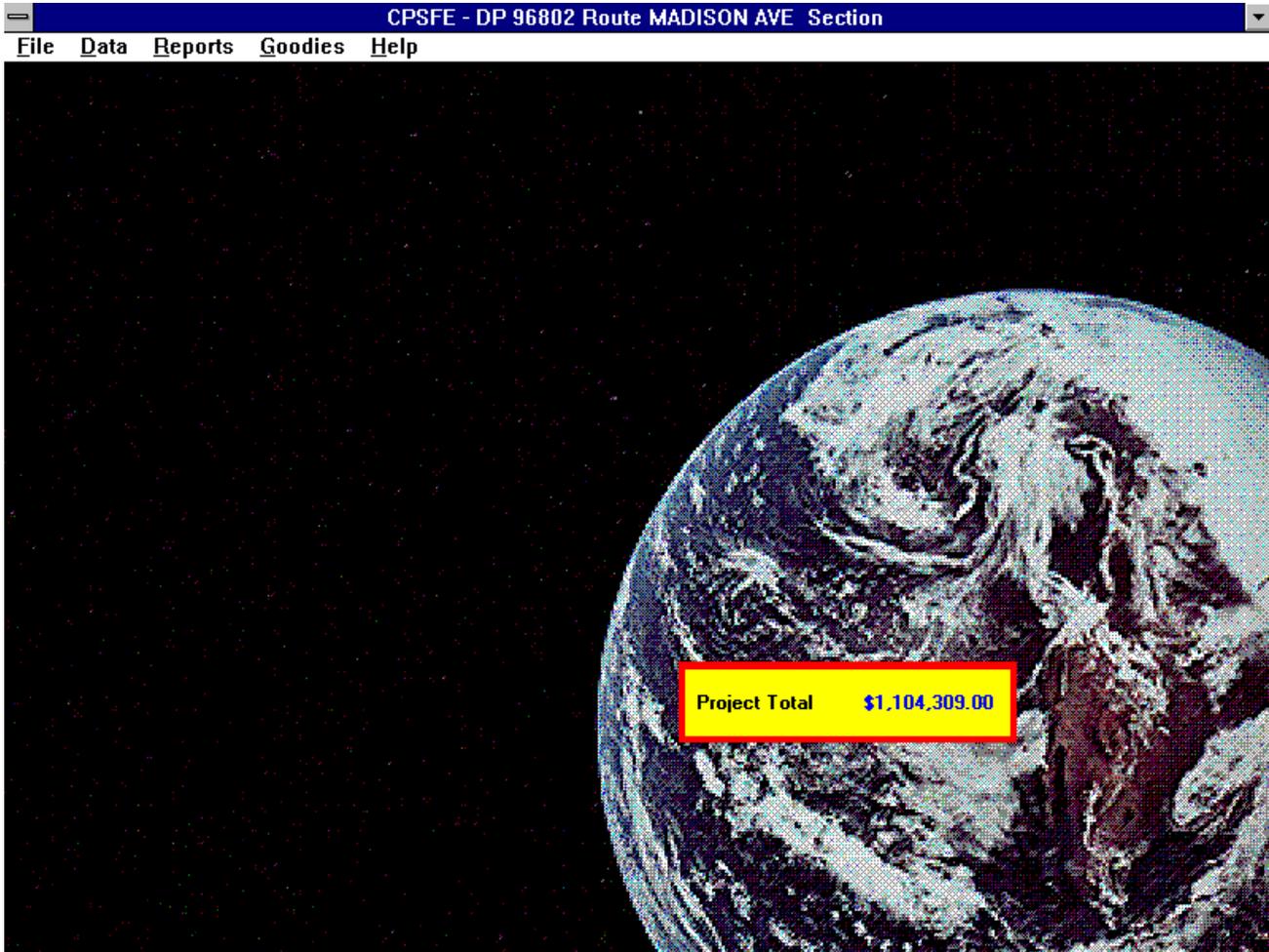
If you see this message, it means **Windows** is running low on **Resources**. You can get this message even though you have a lot of memory installed on your computer, due to the poor memory management built into **Windows** and **DOS**. Usually this is caused by having several other applications open while running **CPSFE**. Select Cancel from the dialog (which will terminate **CPSFE**) and close any other applications.

To avoid this problem, do not have any large applications open when running **CPSFE**. This is a good idea when running any large applications in **Windows**.

To begin, follow the procedure for starting up the System and arriving at the Main Menu. From this Main Menu various operations can be performed.

As shown next on the print of the Main Menu, there are five- (5) different main drop down menus for the system project.

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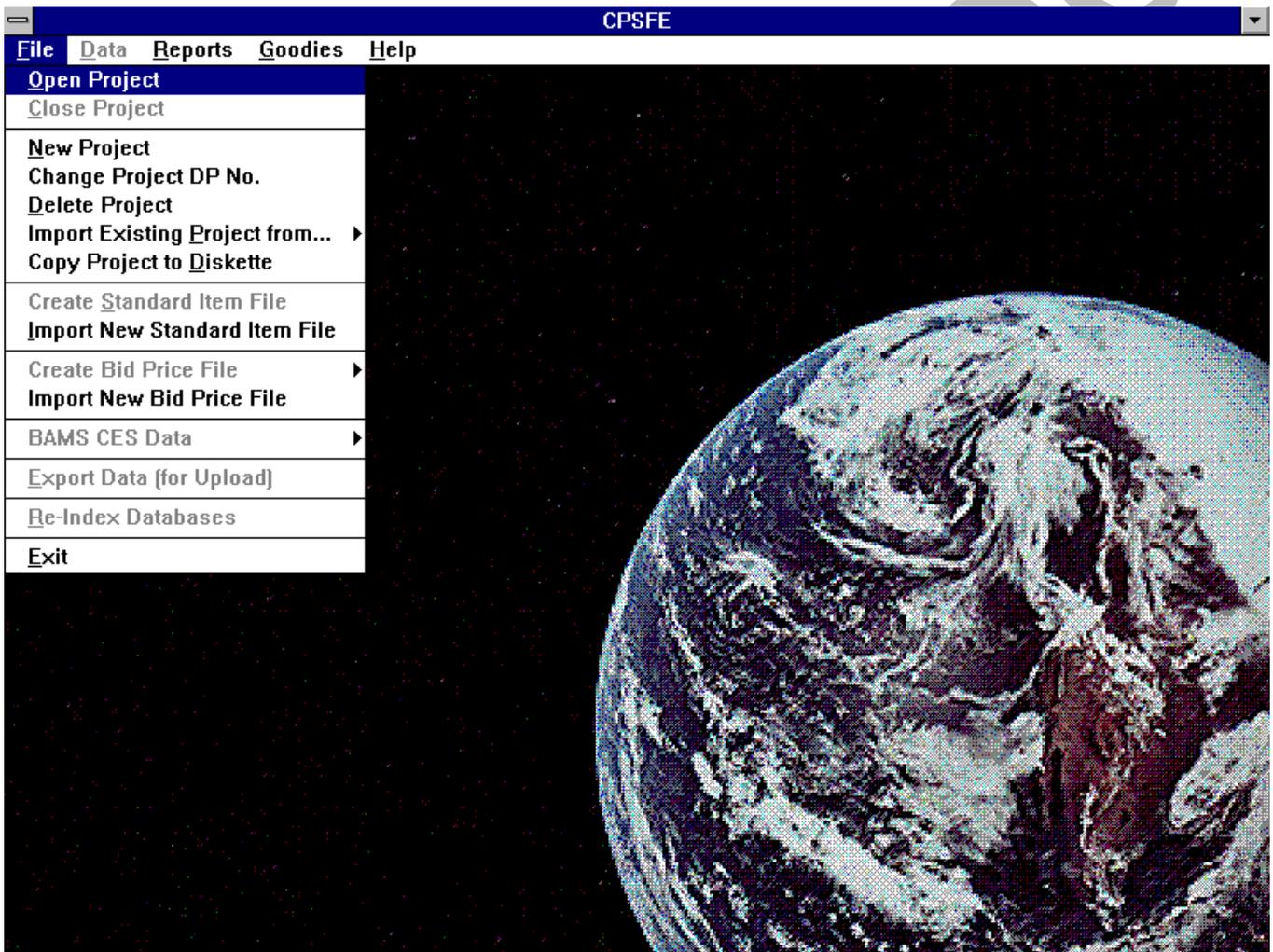
C. FILE MENU

1. Open Project
2. Close Project
3. New Project
4. Change Project DP No
5. Delete Project
6. Import Existing Project *FROM CPSFE NJDOT OPTION ONLY*
7. Copy Project to Diskette
8. Create Standard Item File *NJDOT OPTION ONLY*
9. Import New Standard Item File
10. Create Bid Price File *NJDOT OPTION ONLY*
11. Import New Bid Price File
12. BAMS CES Data *NJDOT OPTION ONLY*
13. Export Data (for Upload) *NJDOT OPTION ONLY*
14. Re-Index Databases
15. Exit

1. Open Project

This menu option is used to select the project to open. When selected, a screen will appear with a pulldown menu showing the projects that can be opened. Only **one** project can be opened at a time. If you want to open several projects at once, run multiple sessions of **CPSFE**, with one project open in each session.

Any project can only be active in one **CPSFE** session. If you run multiple **CPSFE** sessions, projects that have been opened in other sessions will be dimmed (not selectable) in the pulldown in the **Open** screen. If a project DP number is dimmed in the pulldown and it is **NOT** being used in another **CPSFE** session, see Troubleshooting.



2. Close Project

This menu option works in conjunction with the Open menu option. It is used to close a project so that another one can be opened via the Open menu.

Note: When the **Exit** menu option is selected, the currently open project is automatically closed before **CPSFE** shuts down.

3. New Project



This menu option is used to add a new project to **CPSFE**. When selected, a new subdirectory will be created under the application directory (where **CPSFE** resides) using the supplied DP number as the name. The DP number will also be added to the pulldown list in the **Open** screen.

Once you have created a new project, you must open it before you can start entering data.

Use this option *only* if you are creating a new project from scratch. If you are trying to add existing data to your system, use the **Import** option.

Note: If you currently have a project open, you must close it to use this option.

4. Change Project DP No.

This menu option allows you to change the DP number of an existing project in **CPSFE**.

When selected, a screen will appear with a pulldown listing the current projects. Select a project from the list, and then type in the *new* DP number in the box below. Once the new DP number has been entered, the **OK** button will undim. Select the **OK** button to change the DP number, or the **Quit** button to exit without changing.

Note: This option is only available when no projects are open. When a project is open, this option is dimmed out in the menu.

5. Delete Project

This menu option will remove a project from **CPSFE**. When selected, a screen will appear with a pulldown listing the current projects. Select a project from the list and click the **OK** button to remove the project.

Warning.....This option will remove **all** data associated with the selected project, including its subdirectory. If you want to save your project data, do so **before** using this option.

Note: If you currently have a project open, you must close it to use this option.

If the DP number in the pulldown is dimmed, it means the project is currently open in another session. If it is **NOT** open in another session, see **Troubleshooting**.

6. Import Existing Project

This menu option will import into **CPSFE**, a project submitted by a consultant (either from the old DOS based system, or from **CPSFE**). The option to import a project created from the current system (**CPSFE**) is restricted to NJDOT personnel. The option to import a project from the old DOS based system is open to anyone using this system, so that a project that was in progress under the old system can be completed using the new system.

To import a project, select this option from the File menu. Then select the system that created the files, either the *old* system or the *current* system (**CPSFE**). When the Open screen appears, select the drive and

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directory to import. Next, double click on *any* database listed in the selected directory (or single click on a database and click the Import button). The entire directory will be copied and installed in the **CPSFE** system. The project can then be opened via the **Open Project** in the File menu.

7. **Copy Project to Diskette**



Use this option to send project data to the **NJDOT**.

When selected, a screen will appear with two pulldowns. Select the project DP number from the first pulldown and the diskette drive letter from the second pulldown. Click the **OK** button to copy the project or the **Quit** button to exit without copying the project.

If the **OK** button is selected, the entire subdirectory for the selected project will be copied to the target drive.

8. **Create Standard Item File**

This menu option is for use by **NJDOT** personnel. It will create a new Standard Item database from data downloaded from the mainframe.

Start up **CPSFE** and select Create New Standard Item File from the File menu. When the file selection screen appears, select the file that was downloaded from the mainframe and click the **OK** button. The new database and associated index will be created in the application directory (where **CPSFE** resides), replacing the current Standard Item database. The new Standard Item database and index (see below) can then be distributed on diskette to anyone using **CPSFE**.

Standitm.dbf - Standard Item database

Standitm.cdx - Index for Standard Item database

If you are trying to import a Standard Item File supplied by the **NJDOT**, see the menu option **Import New Standard Item File** to replace the existing Standard Item file with a new one.

9. **Import New Standard Item File**

When a new Standard Item database becomes available on the **NJDOT** Web Site, use this option to replace the Standard Item database currently in your **CPSFE** system.

After downloading the new file to a Temp directory, start up **CPSFE**. From the File menu, select Import New Standard Item File. When the file selection screen appears, select the new file from the Temp directory and click the **Import** button. The new file and associated index will be imported into the system, replacing the old file.

Note: The old file and index will be saved as standitm.old and standitm.ocx just in case there is a problem with the new file. It is suggested that you back up your **CPSFE** system *before* importing the new file.

10. Create Bid Price File



This menu option is for use by **NJDOT** personnel. It will maintain the **Bid Price** database with data downloaded from the mainframe. On the mainframe, Bid Price files are created for an individual spec year. The following menu options will allow you to update the Bid Price database as needed for different spec years.

Start up **CPSFE** and select Create Bid Price File from the File menu. To add data for a spec year, select **Add Spec Year to File** from the menu. When the file selection screen appears, select the file that was **downloaded** from the mainframe and click the **OK** button. If the data is for a spec year that is not already in the database, the data will be added to the database. If the data is for a spec year that already exists in the database, a message window will appear stating that the spec year already exists and must be deleted before new data for that spec year can be added. Select **Delete Spec Year from File** to remove the spec year from the Bid Price database.

A third menu option, **Initialize File**, should only be used when you want to remove **ALL** data from the Bid Price database.

The database and associated index will reside in the application directory (where **CPSFE** resides). The Bid Price database and index (see below) can then be distributed on diskette to anyone using **CPSFE**.

Bidprice.dbf - Bid Price database

Bidprice.cdx - Index for Bid Price database

If you are trying to import a Bid Price File supplied by the **NJDOT**, see the menu option **Import New Bid Price File** to replace the existing Bid Price file with a new one.

11. Import New Bid Price File

When a new Bid Price database becomes available on the NJDOT Web Site, use this option to replace the Bid Price database currently in your **CPSFE** system.

After downloading the new file to a Temp directory, start up **CPSFE**. From the File menu, select Import New Bid Price File. When the file selection screen appears, select the new file from the Temp directory and click the **Import** button. The new file and associated index will be imported into the system, replacing the old file.

Note: The old file and index will be saved as bidprice.old and bidprice.ocx just in case there is a problem with the new file. It is suggested that you back up your **CPSFE** system *before* importing the new file.

12. BAMS CES Data

This menu option is for use by **NJDOT** personnel. To use this option, select **Open** from the **File** menu and **Open** the **Project** to be exported or imported. Then select **BAMS CES Data** from the **File** menu.

The **BAMS CES Data** menu options will **Export CPSFE** Item Quantity data into the **BAMS CES** format or **Import** Item Unit Prices from the **BAMS CES** file into **CPSFE**.

To Export data, select **Export** from the **BAMS CES Data** menu. A Dialog selection will appear which will allow you to determine the Drive/Subdirectory the exported data will be written to. To Export, select

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the **Save** button. Only the **Path** from your selection will be used to determine where to write the data. The program will assign the **filename** based on the current DP Number. The default name will be NNNNN.DAT where NNNNN is the current Project DP Number.

Import

To Import data, select **Import** from the **BAMS CES Data** menu. A Dialog selection will appear which will allow you to determine the Drive/Subdirectory the data will be imported from. To Import, select the **Import** button. Only the **Path** from your selection will be used to determine where to read the data. The program will determine the **filename** based on the current DP Number. The default name will be NNNNN.DAT where NNNNN is the current project DP Number.

Notes:

The filename and data both contain the DP Number of the Project being imported. The program will check to make sure that the current open Project DP Number, the filename and the imbedded Project DP Number in the data all match. If there isn't a match an error message will be displayed.

In addition to the previous check, the program determines the number of Item/Category records in the Import file and checks that the Quantity database contains the same number of records. If there isn't a match an error message will be displayed.

The program checks to make sure that every Item Number in the Import file exists in the Quantity database. If there isn't a match, an error message will be displayed.

The program expects that all records for a single Item Number will have the same Unit Price. Therefore, the first occurrence of an Item in the Import file will determine price in the Quantity database for all records with that given Item Number.

13. Export Data (for Upload)

This menu option will create the ASCII text data files that are processed on the mainframe at the **NJDOT**. To use this option, first **Open** the project to be converted and then select **Export**. The files will be created in the subdirectory of the currently open project. These converted files can then be uploaded to the mainframe.

This option is for use by NJDOT Personnel only. If you are sending files to the Dept. of Transportation, use the Copy Project to Diskette menu option.

Database	ASCII File	Description
Enghead.dbf	DCxxxxx.hdr	Engineer's Heading File
Detail.dbf	DCxxxxx.dtl	Detail Estimate File
Quantity.dbf	DCxxxxx.qty	Item Quantity File

Note: xxxxx is the **DP number** for the project being converted.

14. Re-index Databases

Database files may be viewed in different orders based on fields in the database. Index files associated with a database are created for that purpose. These index files on occasion can become corrupted. When this happens, data that is in the database may appear to be missing, but in reality it is there. The

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purpose of the **Re-Index** option is to re-index, or what is commonly called sort the database, to recreate the index file so that it matches the database.

To Re-Index the **CPSFE** databases, select **File** from the **CPSFE** Main Menu and choose the option **Re-Index Databases**. The Sort Data screen will appear where the sorting may be done.

At the top of the screen is a box with radio buttons for selecting the type of sort you want, **All** or **Individual**. To the right are the **Quit** and **OK** Buttons. The rest of the screen is filled with Check Boxes for a database or group of related databases. When the screen first appears, the selection box and Quit Button will be enabled and the rest will be disabled.

Selecting Databases to Re-Index

At the top of the Sort screen is a box that is used to select **All Data** or **Individual Data**.

When the Radio Button for **All Data** is clicked on, all of the check boxes for the databases will be enabled and marked for you. If you want to sort all the data then click on the **OK** Button. However, if you want some, but not all, you can click again on the check boxes for the databases that you do not want to sort, and the check box will be unmarked. Then only the databases associated with the marked check boxes will be sorted when you click on the **OK** Button.

When the Radio Button for **Individual Data** is clicked on, all of the check boxes will be enabled and left unmarked. At that point, click on the check box for the database(s) that you want sorted and then click on the **OK** Button.

Push Buttons

The **OK** Button will execute the indexing for the selected databases.

The **Quit** Button will exit the sort screen.

Note: The system automatically updates index files when records are added, updated or deleted. Theoretically, this option should never have to be run. However, if you are experiencing unpredictable results such as missing records that you know were entered or duplicate data, you may have a corrupted index. This would be the time to **Re-Index**.

15. Exit

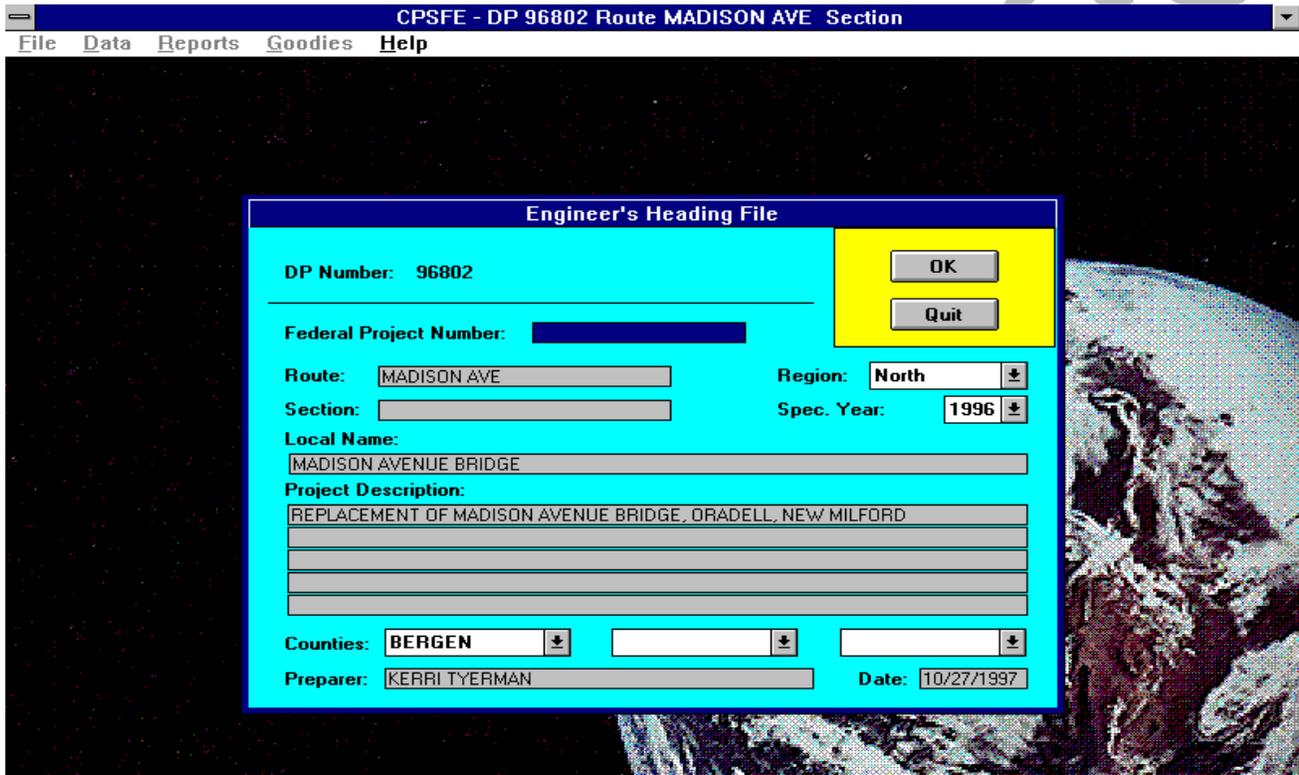
This menu option shuts down the **CPSFE** system and closes any open databases for the current project. This is the only safe way to exit **CPSFE**; using any other method to exit **CPSFE** may cause problems the next time **CPSFE** is started.

D. Data Menu

1. Engineer's Heading
2. Detail Estimate
3. Item Quantity

1. Engineer's Heading File

Allows a Project's descriptive data to be added or modified. Since there is such a small amount of data (comprising only one record in the database), there is no separate update screen. There is also no delete facility, since this data record is required for the project.



From the Data Menu, select E, "Engineer's Heading File"

Required Fields

- Region** - Current regions are North, Central, South & Headquarters
- Spec Year** - Determines which standard items are available
- Project Description** - At least one description line is required
- County** - At least one county is required
- Preparer** - Person preparing this project
- Date** - Date of preparation

Additional Fields:

- Federal Project Number**
- Route**
- Section**
- Local Name**

CONTRACTOR PAYMENT SYSTEM FRONT END

Select the **OK** button to add/update or the **Quit** button to exit without saving.

Note: Data must be entered into this screen *before* you can begin entering **Category** or **Item** data. Once this data has been entered, the **Detail Estimate File** menu option will undim.

- Federal Project Number: Insert the alphanumeric Federal Project Number that appears on the construction plans (construction number). If the project does not have Federal funds, leave this field blank.
- Route & Section: Insert the alphanumeric Route and Section from the construction plans.
- Region: Select from the drop list the construction region where the project is located. If there are dual regions, use the region number where the majority of the work occurs. *This is a required field.*
- Local Name: Insert the alphanumeric local identifying name for the road. If there is no Route and Section. *This is a required field when no route and section is available.*
- Project Description: Insert the alphanumeric project description exactly as it appears on the construction plans and in the Special Provisions including municipality, county and Federal Project Number. *The first line of the description is a required field.*
- County: Select the county where the project is located. A maximum of three counties can be indicated with the first county being where the majority of the work is located. *The first county is a required field and cannot be Statewide.*

HINT! If the project is statewide, use "STATEWIDE" as the second county.

- Preparer: Insert the name of the person preparing of the Engineer's Estimate. *This is a required field.*
- Date: Insert a valid date when this file is being prepared. The format is MMDDYY. *This is a required field.*

After the data has been input, select the **OK** button to add/ update or the **QUIT** button to exit without saving.

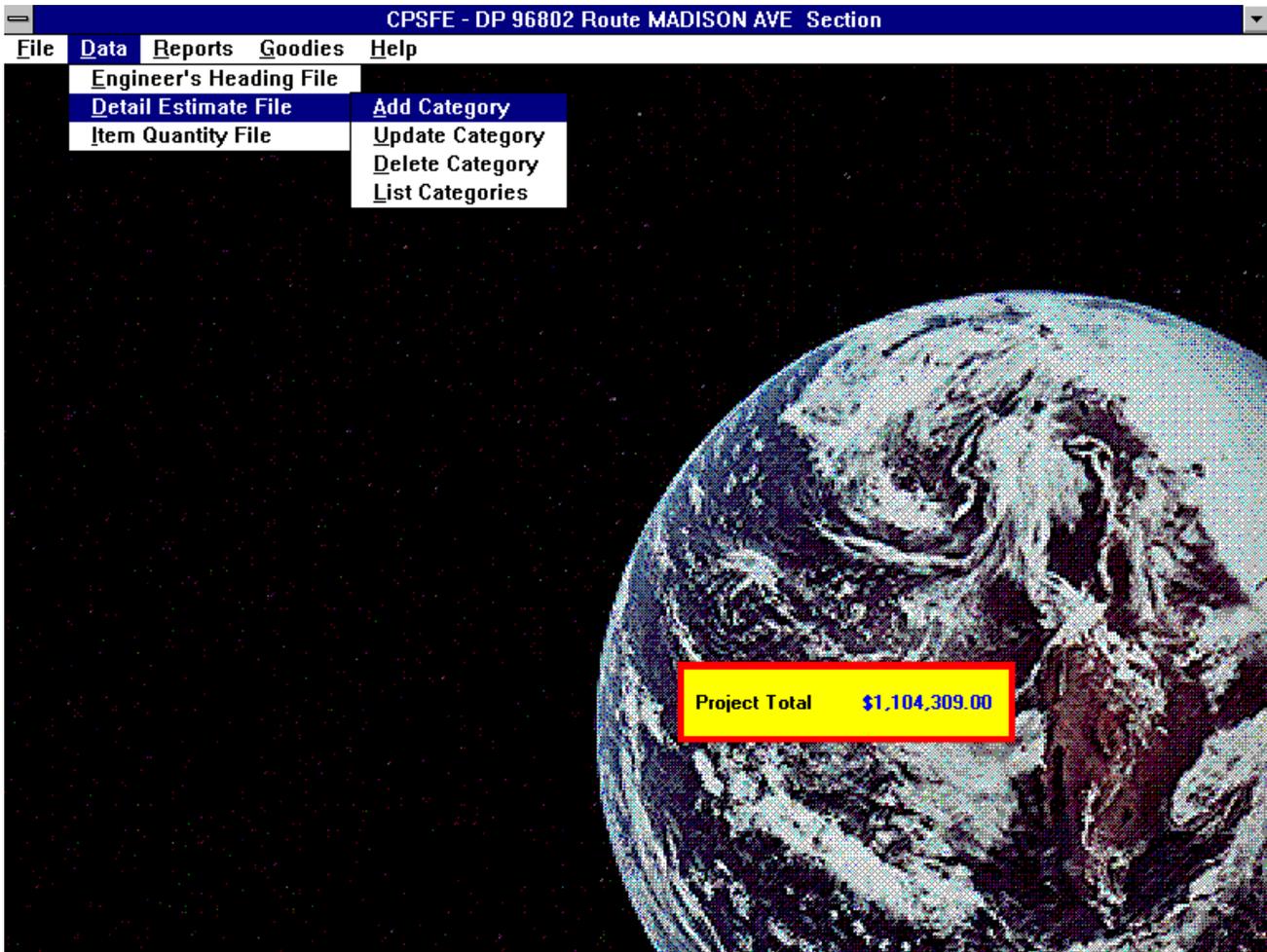
2. Detail Estimate Category File

Allows new Category records to be added or existing records to be modified or deleted. Category data may also be viewed online and printed.

From the Data Entry Menu, select option **#D**, "Detail Estimate File".

The Detail Estimate File menu will appear, as shown below.

CONTRACTOR PAYMENT SYSTEM FRONT END



A. Adding Category Records

To add new Category records, select **Detail Estimate** from the **Data** menu, then select **Add Category**.

When the input screen appears, the only active fields will be **Category Code**, **Last Item Number** and the **Quit** button. Enter a category code and a last item number and press enter to make the rest of the fields active. (Until these two required fields are input, no other data is allowed). After filling in the necessary fields, click the **OK** button to add the record to the database, or click **Quit** to exit the screen without adding the record.

Category Code Must be unique for each record entered.

Last Item Number Refers to the highest item in the Quantity file that is to be included in this category. *This is a required field.*

Date Submitted The date this data is being entered. *This is a required field.*

Category Description Insert the main category description. This will appear on the Engineer's Estimate as the total of all sub-categories. For roadway items use **ROAD** and for bridge items use **BRIDGE**. *This is a required field.*

Sub Descriptions Insert the description of the sub-category. For a simple project, use ROADWAY

CONTRACTOR PAYMENT SYSTEM FRONT END

1 - 4 ITEMS or BRIDGE ITEMS. For a project with Federal funding breakouts, the descriptions should be **ROADWAY ITEMS, EROSION CONTROL ITEMS, UTILITY ITEMS, LANDSCAPE ITEMS, CONSTRUCTION ENGINEERING ITEMS**, etc. Use only one description per record. Four lines are available for the description on each record, the first line of the description is a required field.

Funding Information:

- Fund Code** Numeric code identifying a group of funding data. If a previously existing funding code is entered, the existing funding data associated with that code would be displayed. Type in a funding code and press enter to undim the funding information fields.
- Participation** Either **Participating** or **Non participating**.
- C.E. Factor** The next field is for the construction engineering factor. For all projects, leave this field blank.
- Funding Factor** Percentage of funding from this participant. Total of both funding factors must equal 100%.
- Federal / State** Who is participating; **Federal** or **State**. If both federal and state are participating, always code State on funding #1 and Federal on funding #2.
- Type of Funds** Insert the type of funds for the category. For all 'road' items except construction engineering and non-participating items, use **RAW COST ROADWAY**. For construction engineering items, use **CONSTRUCTION ENGINEERING**. For non-participating items, use **NON- PARTICIPATING**. For all 'bridge' items, use **RAW COST BRIDGE**.

Note: Do not enter any funding #2 data if:

Participation = N
Funding factor #1 = 100%
Federal/State #1 = F

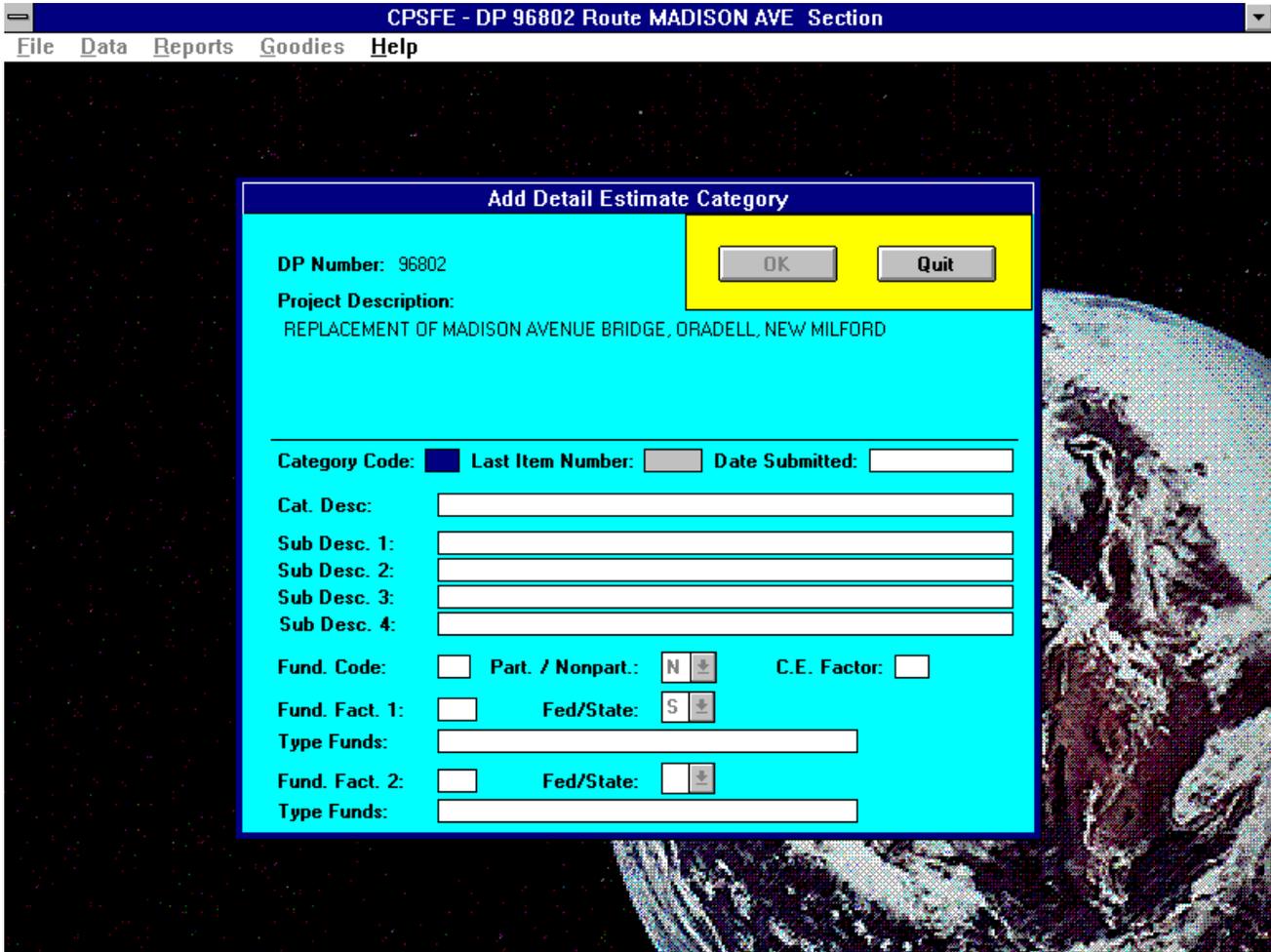
If you use an existing fund code, the funding information associated with that code would be displayed. If you alter any of the funding information for an existing code, those changes will affect all categories using that funding code.

Select the **OK** button to add or the **Quit** button to exit without adding.

Note: Data for at least one Category must be entered into this screen before you can begin entering **Item** data. Once this data has been entered, the **Item Quantity File** menu option will undim.

To create the category file, select option **#A**, Add Detail Estimate Record.

The Detail Estimate Category File Add input panel will appear. Enter the category number to add or create. To initially create the file, enter number **1**.



B. Editing Category Records

To edit existing Category records, select **Detail Estimate** from the **Data** menu, then select **Update Category**. When the update screen appears, select the **Category** to update from the pulldown. Once a Category is selected, the associated data will be displayed on the screen. Select the **OK** button to update or the **Quit** button to exit without updating.

Note: If funding information is changed, any category records with the same funding code will also be updated with the new funding data. To make changes to the funding information highlight the funding code and press enter; the rest of the fields will become active.

C. Deleting Category Records

To delete existing Category records, select **Detail Estimate** from the **Data** menu, then select **Delete Category**. When the delete screen appears, select the **Category** to delete from the pulldown. Once a Category is selected, the description will be displayed on the screen. Select the **OK** button to delete or the **Quit** button to exit without deleting.

Note: If the category is assigned to any Quantity Item records, it cannot be deleted.

D. Viewing Category Records

CONTRACTOR PAYMENT SYSTEM FRONT END

To view existing Category records, select **Detail Estimate** from the **Data** menu, then select **List Categories**. The list screen will show **Category Code**, **Last Item** and **Description** for each Category. There is an option to print the data while it is being viewed. The printed report will show **all** data associated with each category.

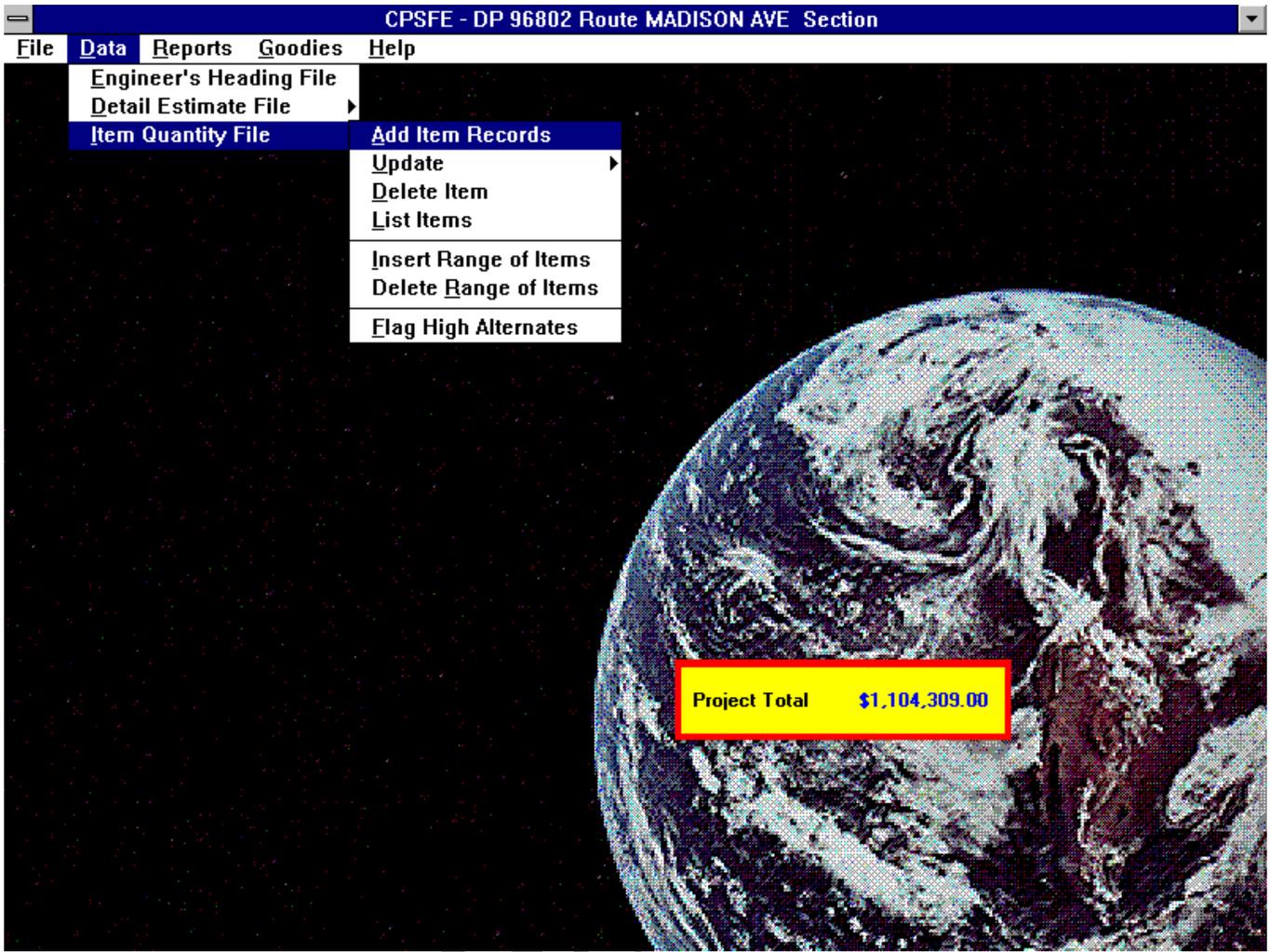
3. Item Quantity File

Allows new Item records to be added or existing records to be modified or deleted. Item data may also be viewed online and printed.

- A. Add Item Records
- B. Update Item Records
- C. Update Unit Prices/Quantities
- D. Delete Item
- E. List Items
- F. Insert Range of Items
- G. Delete Range of Items
- H. Flag High Alternates

Superseded

CONTRACTOR PAYMENT SYSTEM FRONT END



Supers

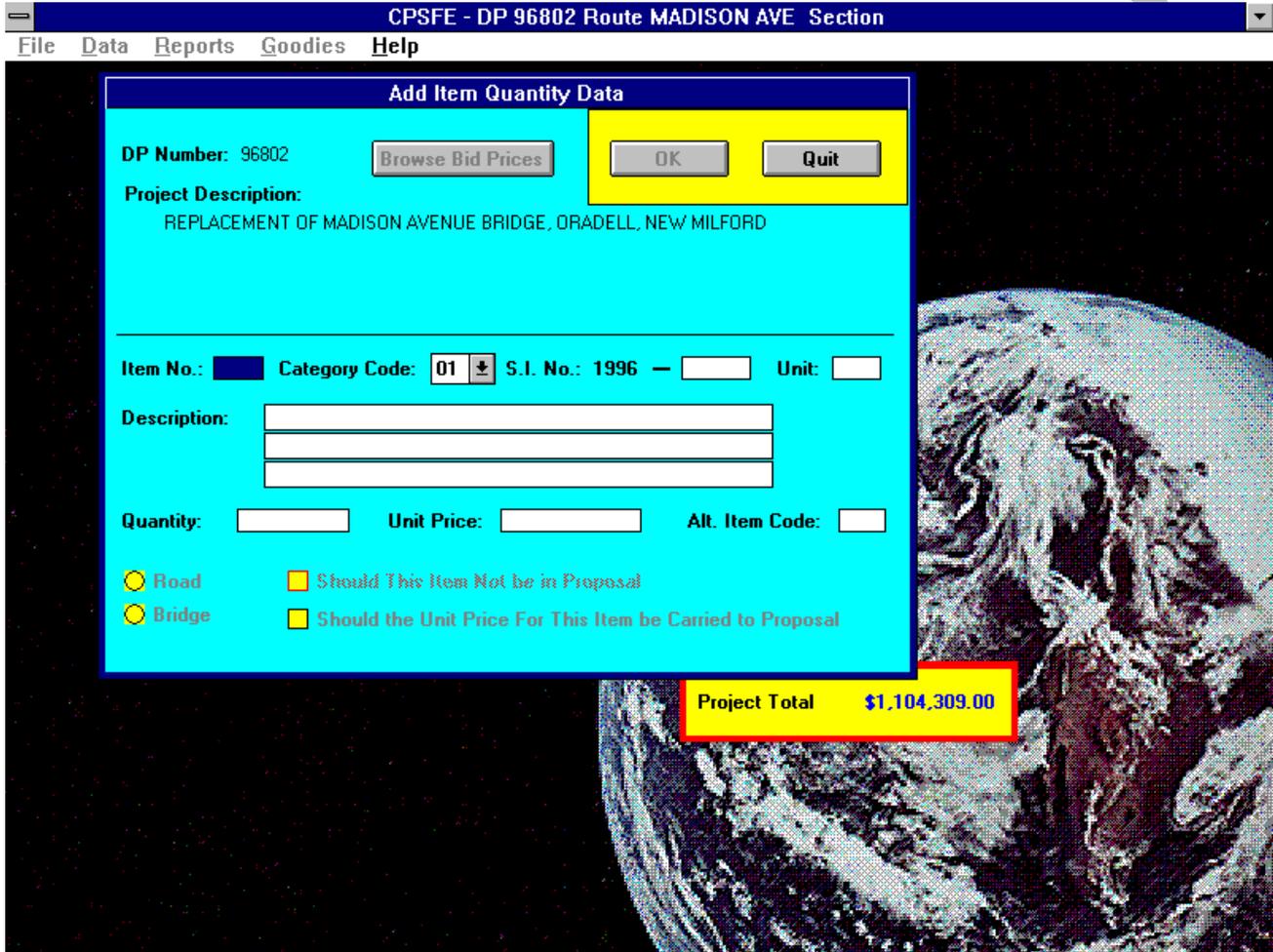
CONTRACTOR PAYMENT SYSTEM FRONT END

A. Add Item Records

To add new Item records, select **Quantity** from the **Data** menu, then select **Add Item Records**.

To create the **Quantity File**, select option **A, Add Records**.

The Quantity File Add input panel will appear as shown below.



Item Number Enter the Pay Item Number from the Estimate of Quantities sheet of the construction plans. If the number is less than four digits, leading zeros will automatically be added. Note that the number entered cannot exceed the **Last Item Number** associated with the selected category.

Category Code Select an existing Category from the pulldown list for this item.

Standard Item If the item is a standard item, enter the Standard Item number. If the number exists on the standard item file, the **Description** and **Unit** fields will automatically be filled in with the corresponding fields from the standard item file.

Unit If this is a non-standard item, enter the item unit.

Description If this is a non-standard item, enter the item description.

CONTRACTOR PAYMENT SYSTEM FRONT END

Quantity	Enter the quantity to be associated with this item/category. Note that all the quantities for an item must add up to a whole number.
Unit Price	Enter the unit price to be associated with this item.
Alt. Item Code	If this item will be an alternate item, enter the alternate code to be associated with this item.
Road/Bridge	Select the button that is appropriate for this item.
Not In Proposal	Check this box if this item/category is not to be carried forward to the Proposal file during processing on the mainframe.
Carry Unit Price	Check this box if the item Unit Price is to be preserved during bidding. (The contractors cannot bid a unit price on this item).

Browse Bid Prices button:

Each time you enter or change the **standard item field** on the screen, the Bid Price database is searched for a matching standard item number. If a match is found, the Browse Bid Prices button will become active. If you select the button, a scroll list will appear containing all Bid Price records that match the standard item number. You can select a unit price from that list by double clicking on a record (or highlighting the record and pressing enter). The scroll list will disappear and the unit price from the selected record will appear in the Unit Price field on the input screen.

Select the **OK** button to add or the **Quit** button to exit without adding.

Note: If records already exist for an Item that you are adding, you will not be able to enter data into the **Standard Item, Unit, Description, Road/Bridge, Alt. Item Code or Carry** fields, since these fields must be the same for all records with the same item number. If you need to change these fields, use the **Update Item** option.

If some of the records being entered are for alternate items, select **Flag High Alternates** after you are done entering items, to calculate high alternates and readjust the **Project Total**.

B. Update Item Records

It may be necessary to modify the **Quantity File** as the project moves along its stages. These modifications may require updating an item, deleting an item or range of items, or inserting an item or range of items.

Prior to modifying the **Quantity File**, select option **L**, List Items, to determine which items need modification or where the modifications need to be made.

To update existing Item records, select **Item Quantity File** from the **Data** menu, then select **Update Item**. A selection screen will appear. On the screen, type in the item number to be updated, press enter and all Quantity records with that item number will appear in the list. Double click on the record to be updated (or use the arrow keys to select the record and press enter) and the update screen will appear with the data for that record. If the record contains a Standard Item number, the **Unit** and **Description** fields will be dimmed. To change these fields, type in a new Standard Item number (the Unit and Description associated with the new Standard Item number will appear), or delete the Standard Item number and press enter (the Unit and Description fields will undim and be blank).

Browse Bid Prices button

CONTRACTOR PAYMENT SYSTEM FRONT END

Each time you enter or change the **standard item field** on the screen, the Bid Price database is searched for a matching standard item number. If a match is found, the Browse Bid Prices button will become active. If you select the button, a scroll list will appear containing all Bid Price records that match the standard item number. You can select a unit price from that list by double clicking on a record (or highlighting the record and pressing enter). The scroll list will disappear and the unit price from the selected record will appear in the Unit Price field on the input screen.

Click the **OK** button to update the Item record. After the record has been updated, you will be returned to the item record selection list. At this point, you can select another record for the same item number, enter a new item number or click on the Quit button to exit the screen.

Note: If you update the **Standard Item, Unit, Description, Road/Bridge, Alt. Item Code or Carry** fields for an item, all records with the same item number will also be updated, since these fields must be the same for all records for an item.

If some of the records being updated are for alternate items, and you update either the Unit Price or Quantity fields, select **Flag High Alternates** Menu after you are done updating items, to calculate high alternates and readjust the **Project Total**.

C. Update Unit Prices/Quantities

Use this option when you need to update **Unit Prices, Quantities and Category Codes** only. When selected, a browse window will appear, listing records from the quantity database in Item Number / Category order. Each record will display the Item Number, Category Code, Unit Price, Quantity, Standard Item Number and Description. Only the three fields on each record are editable. Using this window, you can move up and down the columns, making changes for any number of records in the database, without leaving the window.

When this option is selected, a new menu, **Window**, will appear in the menu bar. If for any reason, the control window containing the **Save** and **Quit** buttons is not visible on the screen, this menu option will move the window to the center of the screen and make it visible. Under normal circumstances, you will not need to use this menu option. When the **Save** or **Quit** button is selected, the menu option will disappear from the menu bar.

Use the **Page Up** and **Page Down** keys to scroll through the window and the arrow keys to move from column to column and row to row. Whenever a Unit Price or Quantity is changed, the **Project Total** window will be updated.

Category Codes If you type a single digit into a category field and press enter, it will automatically be zero filled on the left. (i.e. If you type a **2** and press enter, a **02** will appear in the field).

Unit Prices If you **type a new amount** into the unit price field and press enter, the **Project Total** window will immediately show the new total for the project. If you **blank out the amount** in a unit price field and press enter and the item is a **standard item**, the **Bid Price** database will be searched for records with a matching standard item number. If any are found, they will be displayed in a scroll list. You can select a unit price from that list by double clicking on the record (or highlighting the record and pressing enter). You will be returned to the browse window and the selected unit price will appear in the previously blanked unit price field. The **Project Total** window will also show the new total for the project

CONTRACTOR PAYMENT SYSTEM FRONT END

Quantities If you **type a new amount** into the quantity field and press enter, the **Project Total** window will immediately show the new total for the project.

Note: If some of the records being updated are for alternate items, and you update either the Unit Price or Quantity fields, select **Flag High Alternates** after you are done updating items, to calculate high alternates and readjust the **Project Total**.

Click the **Save** button to save the changes back to the database, or click the **Quit** button to Quit without saving the changes. If **Quit** is selected, the **Project Total** window will show the total amount for the project prior to any changes made in the browse window.

D. Delete Item Records

To delete existing Item records, select **Item Quantity File** from the **Data** menu, then select **Delete Item**. A selection screen will appear. On the screen, type in the item number to be updated, press enter and all Quantity records with that item number will appear in the list. Double click on the record to be deleted (or use the arrow keys to select a record and press enter) and a warning screen will appear. Click the **OK** button to delete the record or click the **Quit** button to return to the selection screen without deleting the record.

The Project Total will be adjusted when records are deleted.

E. List Item Records

To view existing Item records, select **Item Quantity File** from the **Data** menu, then select **List Items**. The list screen will show **Item Number, Category, Description, Quantity and Road/Bridge** for every record in the Quantity file. There is an option to print the data while it is being viewed. The printed report will show **all** data associated with each record.

There is a **Find** button to allow you to restrict the contents of the list to all records for a specific **Item Number** or **Category**. To do this, make a selection from either the item number pulldown or the category pulldown, then click the Find button. The list will then show all records matching the selection. If the Print button is selected after a Find, the report will also be restricted to those records.

F. Insert a Range of Items

To insert a range of items, enter the item number that the range is to be inserted *after* and the number of items to insert. This feature does not physically create the records in the Quantity file, but renumbers the items following the specified *insert after* item to reflect the number of items to be inserted.

Example: If you enter item 45 and a range of 5 items, all items **after** item 45, will have their item numbers increased by 5 (item 46 will become 51, item 47 will become 52, etc).

G. Delete a Range of Items

To delete a range of items, enter the item number that the deletion is to begin *after* and the number of items to delete. This feature physically deletes the records in the Quantity file, *and* renumbers the items following the deleted range.

Example: If you enter item 45 and a range of 5 items, the first 5 items **after** item 45 will be deleted and all following items will have their item numbers decreased by 5.

If the item sequence was: 45,46,47,48,49,50,51,52....

Items 46 through 50 will be deleted and item 51 will be renumbered as 46, item 52 will be renumbered as 47 and so on until the end of the file is reached.

If there is a gap between item numbers, it will be ignored. If the item sequence was: 45,50,51,52,53,54,55,56...

Items 50 through 54 will be deleted and item 55 will be renumbered as 46, item 56 will be renumbered as 47 and so on until the end of the file is reached.

H. Flag High Alternates

This menu option calculates and **flags High Alternates** and then recalculates the Project Total and updates the **Project Total Window** in the lower right corner of the screen.

Any time the Project Total is calculated, any items flagged as **High Alternates** or items that are marked as "**Should this Item Not be in the Proposal**" are excluded from the total shown in the window.

The Project Total is updated while Quantity data is being entered or updated, however, changes to or adding Items that are marked as **alternates** can change which items will be considered High Alternates, which will change the Project Total. The system has no way of knowing when you are finished adding to or updating alternate items, so it continues to update the Project Total based on how alternates were previously flagged (or not flagged).. **Use this option after you have entered or made changes to alternate items, to readjust the Project Total.**

Note: The menu option to produce the **Engineer's Estimate Report** also calculates and flags **High Alternates**.

High Alternates are also calculated each time a Project is opened (right before the Project Total window appears).

E. REPORT MENU

Once the data files have been created for a particular project, various Reports can be printed. A Reports option has been provided on the Main Menu which can be used to produce the Preliminary Engineer's Estimate (the Final is done on the CPS Mainframe program) or a printed copy of the various data files for the user's own use.

From the Main Menu, select option **#R**, Reports.

The Reports Menu will appear, a print of which is shown at the top of Page 30. As shown on this menu, there are four (4) types of reports available. These reports are as follows:

CONTRACTOR PAYMENT SYSTEM FRONT END

1. Engineer's Heading
2. Produce Engineer's Estimate
3. Standard Item File
4. Bid Price File

NOTE: Four printed copies of the "Preliminary" (becomes Final in the CPS Main program) Engineer's Estimate as generated from this program and a copy of the data file on 3 1/2" disk shall be included in the Final Submission. For subsequent revisions, submit two printed copies and the revised data file on disk.

1. Engineer's Heading Report

This option prints the data entered into the Engineer's Heading file. An example of this type of report is shown in the appendix

2. Engineer's Estimate Report

This option produces and prints the "Preliminary" Engineer's Estimate. It also performs edit checks on the data. A report *will not* be produced until all data passes the checks.

Items that are flagged as **High Alternates** and items that are marked as "**Should this Item Not be in the Proposal**" will **NOT** be included in the total.

An example of this report is shown in the appendix.

3. Standard Item File Listing

This option lists and prints the **Standard Item** file.

When selected, a screen will appear with an empty scroll list. To generate a list, select a **Spec. Year** from the pulldown and select one of the radio buttons, **All Items** or **Select**. If you choose **Select**, you must supply the first two characters of the Standard Item number. After making the above selections, click on the **List** button to generate the list. When the records appear in the scroll list, the **Print** button will become active. Click on the **Print** button to send the list to the printer.

4. Bid Price File Listing

This option lists the **Bid Price** file.

When selected, a screen will appear with all **Bid Price** records in a scroll list. Since the file is quite large, it will take a few seconds for the list to appear.

F. Goodies Menu

1. Clock
2. Calculator
3. Change Background

CONTRACTOR PAYMENT SYSTEM FRONT END

1. Clock

Selecting **Clock** from the **Goodies** menu will place a digital clock on the upper right portion of the screen, just below the menu bar. To remove the clock, reselect it from the **Goodies** menu.

2. Calculator

The Calculator is a **Microsoft®** applet included in **CPSFE**. It works like any standard handheld calculator.

3. Change Background

This option will allow you to select any **.bmp** (bit map) file to be used as the desktop background. When selected, a standard file selection dialog will appear, from which **.bmp** files can be selected. In general, any file that can be used as **wallpaper** in windows can be used as a background in **CPSFE**. The selection will be saved for subsequent **CPSFE** sessions.

G. Help Menu

1. Contents

The Contents menu is the main Help menu. From there you can follow various options to the help topic for a particular menu item. This is a standard windows help screen including Search, Back and History buttons.

2. Search

The Search option allows you search the help database by keyword and topic. This is a standard windows help screen and works in the same manner as any windows help search.

3. About CPSFE

This screen provides the current version number of **CPSFE** and some information about your computer's environment, such as Available Memory, Hard Drive Size and the Current Directory.

IX. STANDARD PAY UNIT ABBREVIATIONS

The following is a list of the standard pay unit abbreviations recognized by this system. The use of these abbreviations will produce the accompanying descriptions to appear on the proposals. If there are pay units that do not appear on the list, create an abbreviation that has a maximum of three letters. It must be remembered, however, that only these three letters will appear on the proposal as the pay unit instead of the desired full description.

<u>Pay Unit Description</u>	<u>Abbreviation</u>
Acre	A
Bale	BA
Barrel	BBL
Board Feet	BF
Bundle	BU
Crew Hour	CH
Cubic Foot	CF
Cubic Meter	CM
Cubic Yard	CY
Day	DAY
Each	EA
Gallon	GAL
Hectare	HA
Hour	HRS
Kilogram	KG
Linear Foot	LF
Linear Meter	LM
Liter	L
Lump Sum	LS
Man-Day	MD
Man-Hour	MH
Mega Board Measure	MBM
Megagram	MGR
Mega Gallon	MG
Month	MO
Pair	PR
Pound	LBS
Rod	ROD
Sample	SMP
Square Foot	SF
Square Meter	SM
Square Yard	SY
Ton	T
Trip	TRP
Unit	U
Unit Day	UD

APPENDIX

A. Sample Reports

1. Engineer's Heading File Report
2. Detail Estimate Category File Report
3. Quantity File Report
4. Preliminary Engineer's Estimate

CONTRACTOR PAYMENT SYSTEM FRONT END

EHReport 02/04/1998

**Contractor Payment System
Engineer's Heading File Report**

Page 1

DP Number 96002

Federal Project Number: BRM-8482(104)

Spec Year:1996

Route:

Section:

Region: North

Local Name:

MADISON AVENUE BRIDGE

Project Description:

MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COUNTY.
FEDERAL PROJECT NO. BRM-8482(104).

Counties: BERGEN

Preparer: K. ZUMMO

Date: 02/02/1998

Superseded

CONTRACTOR PAYMENT SYSTEM FRONT END

DetPrint 02/04/1998

Contractor Payment System
Detail Estimate Category File Report

Page 1

DP Number: 96802

Route:

Section:

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COUNTY.
FEDERAL PROJECT NO. BRM-8482(104).

Category: 01

Last Item Number: 0077

Date Submitted: 2/2/98

Cat. Desc: ROADWAY ITEMS

Fund Code: 01

Sub 1 Desc: ROADWAY ITEMS

Part/Non: P

Sub 2 Desc:

C.E. Factor:

Sub 3 Desc:

Sub 4 Desc:

Fund Fact: 100

Fed/State: F

Type Funds: ROADWAY ITEMS

Fund Fact:

Fed/State:

Type Funds:

Category: 02

Last Item Number: 0066

Date Submitted: 2/2/98

Cat. Desc: ROADWAY ITEMS

Fund Code: 01

Sub 1 Desc: EROSION CONTROL ITEMS

Part/Non: P

Sub 2 Desc:

C.E. Factor:

Sub 3 Desc:

Sub 4 Desc:

Fund Fact: 100

Fed/State: F

Type Funds: ROADWAY ITEMS

Fund Fact:

Fed/State:

Type Funds

Category: 03

Last Item Number: 0070

Date Submitted: 2/2/98

Cat. Desc: ROADWAY ITEMS

Fund Code: 01

Sub 1 Desc: LANDSCAPE - GENERAL ITEMS

Part/Non: P

Sub 2 Desc:

C.E. Factor:

Sub 3 Desc:

Sub 4 Desc:

44

Fund Fact: 100

Fed/State: F

Type Funds:

Fund Fact:

Fed/State:

Type Funds: CONSTRUCTION ENGINEERING

CONTRACTOR PAYMENT SYSTEM FRONT END

DetPrint 02/04/1998

Contractor Payment System
Detail Estimate Category File Report

Page 2

DP Number: 96802

Route:

Section:

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COLJNTY.
FEDERAL PROJECT NO. BRM-8482(104).

Category: 05

Last Item Number: 0012

Date Submitted: 10/27/97

Cat. Desc: ROADWAY ITEMS

Fund Code: 03

Sub 1 Desc: NON-PARTICIPATING ITEMS

Part/Non: N

Sub 2 Desc:

C.E. Factor:

Sub 3 Desc:

Sub 4 Desc:

Fund Fact: 100

Fed/State: F

Type Funds: NON-PARTICIPATING ITEMS

Fund Fact:

Fed/State:

Type Funds:

Category: 06

Last Item Number: 0102

Date Submitted: 11/7/97

Cat. Desc: BRIDGE ITEMS

Fund Code: 04

Sub 1 Desc: STRUCTURE # 0200-38C

Part/Non: P

Sub 2 Desc: MADISON AVENUE BRIDGE OVER HACKENSACK

C.E.

Factor:

Sub 3 Desc: STRUCTURE TYPE X081

Sub 4 Desc:

Fund Fact: 100

Fed/State: F

Type Funds: BRIDGE ITEMS

Fund Fact:

Fed/State:

Type Funds:

CONTRACTOR PAYMENT SYSTEM FRONT END

QtyPrint

02/04/1998

**Contractor Payment System
Quantity File Report**

Page 01

DP Number: 96802

Route: MADISON AVE

Section:

Region: Headquarters

Spec Year: 1996

Project: REPLACEMENT MADISON AVENUE BRIDGE, ORADELL, NEW MILFORD

Federal Project Number:

Item No.	Cat Cod e	S.I. No.	Description	Quantity	Price	Unit	R/B Cod e	Alt Item Code	S.I. Flag	Not Carr Prop
0001	01	1C21E	PERFORMANCE BOND AND PAYMENT BOND	1.00	9000.0000	LS	R			
0002	01	1D21C	FINAL CLEANUP	1.00	4000.0000	LS	R			
0003	01	1E21C	CONSTRUCTION LAYOUT	1.00	20000.0000	LS	R			
0004	04	1E41E	FIELD OFFICE TYPE C SET-UP	1.00	20000.0000	U	R			
0005	04	1E41F	FIELD OFFICE TYPE C MAINTENANCE	18.00	1000.0000	MO	R			
0006	04	1E31G	TELEPHONE SERVICE	1.00	5000.0000	LS	R			
0007	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0008	04	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0009	04	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0010	01	1G21C	TRAINEES	1000.00	1.0000	HRS	R			
0011	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0012	05	1G13I	OWNER'S AND CONTRACTOR'S PROTECTIVE	1.00	2500.0000	LS	R			
0013	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0014	01	1H21D	MOBILIZATION	1.00	76000.0000	LS	R			
0015	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0016	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0017	01	2A21C	CLEARING SITE	1.00	35000.0000	LS	R			
0018	01	2B25B	ROADWAY EXCAVATION, UNCLASSIFIED	1026.00	128.0000	CM	R			
0019	01	2C02A	POROUS FILL	359.00	40.0000	CM	R			
0020	01	2B50G	SAWCUTTING	76.00	7.0000	LM	R			
0021	01	2B80N	MILLING, VARIABLE DEPTH	343.00	18.0000	SM	R			
0022	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0023	01	2G02E	EARTH EXCAVATION FOR TEST PITS	6.00	65.00	CM	R			
0024	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0025	01	2H21C	SUBBASE	157.00	40.0000	CM	R			
0026	02	2L05A	SILT FENCE	310.00	5.0000	LM	R			
0027	02	2L22C	INLET FILTERS	3.00	50.0000	U	R			
0028	02	2L26C	INLET PROTECTION, HAYBALE BARRIER	1.00	50.0000	U	R			
0029	02	2L20F	CONSTRUCTION DRIVEWAY	173.00	15.0000	MGR	R			
0030	02	2L03H	HAYBALES	40.00	5.0000	U	R			
0031	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			

CONTRACTOR PAYMENT SYSTEM FRONT END

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Contractor Payment System
Quantity File Report

Page 02

DP Number: 96802

Route: MADISON AVE

Section:

Region: Headquarters

Spec Year: 1996

Project: REPLACEMENT MADISON AVENUE BRIDGE, ORADELL, NEW MILFORD

Federal Project Number:

Item No.	Cat Cod e	S.I. No.	Description	Quantity	Price	Unit	R/B Cod e	Alt Item Code	S.I. Flag	Carry	Not Carr Prop
0032	01	3A15D	DENSE GRADED AGGREGATE BASE COURSE, 150 MM THICK	735.00	7.0000	SM	R				
0033	02	3B08E	COARSE AGGREGATE, SIZE NO. 8	1.00	70.0000	CM	R				
0034	01	3E02B	BITUMINOUS-STABILIZED BASE COURSE, MIX I-2	134.00	55.0000	MGR	R				
0035	01	4D14B	BITUMINOUS CONCRETE SURFACE COURSE MIX I-4 HD	132.00	60.0000	MGR	R				
0036	01	4D31C	PRIME COAT	860.00	0.2600	L	R				
0037	01	9Z99Z	NO ITEM	0.00	0.0000	U	R				
0038	01	6B35G	525 MM REINFORCED CONCRETE CULVERT PIPE	6.00	140.0000	LM	R				
0039	01	6C26C	INLETS, TYPE B	1.00	1800.0000	U	R				
0040	01	6C31E	MANHOLES	1.00	2000.0000	U	R				
0041	01	9Z99Z	NO ITEM	0.00	0.0000	U	R				
0042	01	9Z99Z	NO ITEM	0.00	0.0000	U	R				
0043	01	6C22I	RESET CASTINGS	3.00	200.0000	U	R				
0044	01	6E20G	225 BY 400 MM WHITE CONCRETE VERTICAL CURB	57.00	60.0000	LM	R				
0045	01	6G10C	CONCRETE SIDEWALK, 100 MM THICK	97.00	40.0000	SM	R				
0046	01	6G20D	CONCRETE SIDEWALK, REINFORCED, 200 MM THICK	21.00	55.0000	SM	R				
0047	01	6G15E	BITUMINOUS CONCRETE DRIVEWAY, 150 MM THICK	53.00	35.0000	SM	R				
0048	01	6G01R	PUBLIC SIDEWALK CURB RAMP DELINEATION	8.00	100.0000	SM	R				
0049	01	6L21B	BEAM GUIDE RAIL	46.00	75.0000	LM	R				
0050	01	6L31B	BEAM GUIDE RAIL, BRIDGE	21.00	230.0000	LM	R				
0051	01	6L12C	SLOTTED GUIDE RAIL TERMINALS	1.00	2400.0000	U	R				
0052	01	6L15C	EXTRUDER TERMINALS	1.00	4200.0000	U	R				
0053	01	6L41C	BEAM GUIDE RAIL ANCHORAGES	1.00	500.0000	U	R				
0054	01	6N21M	RESET FENCE	104.00	58.0000	LM	R				
0055	01	6N24T	TEMPORARY CHAIN-LINK FENCE, 2.4 M HIGH	150.00	72.0000	LM	R				
0056	01	6P50I	RIPRAP STONE SLOPE PROTECTION, 750 MM THICK	118.00	60.0000	SM	R				
0057	01	6Q03B	BARRICADES, TYPE IIIA	4.00	60.0000	LM	R				
0058	01	6Q22B	BREAKWAY BARRICADES	6.00	110.0000	U	R				
0059	01	6Q44C	PRECAST CONCRETE CURB, CONSTRUCTION BARRIER, TYPE 4	25.00	90.0000	LM	R				
0060	01	6Q10F	CONSTRUCTION SIGNS	34.00	175.0000	SM	R				
0061	01	6R22D	TRAFFIC MARKINGS, LINES, LONG LIFE, THERMOPLASTIC	514.00	1.5000	LM	R				

CONTRACTOR PAYMENT SYSTEM FRONT END

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**Contractor Payment System
Quantity File Report**

Page 03

DP Number: 96802

Route: MADISON AVE

Section:

Region: Headquarters

Spec Year: 1996

Project: REPLACEMENT MADISON AVENUE BRIDGE, ORADELL, NEW MILFORD

Federal Project Number:

Item No.	Cat Cod e	S.I. No.	Description	Quantity	Price	Unit	R/B Cod e	Alt Item Code	S.I. Flag	Not Carr Prop
0062	01	6s20b	SIGNS	1.00	300.0000	SM	R			
0063	01	6V01A	RESET WATER VALVE BOXES	4.00	50.0000	U	R			
0064	03	8F04C	TOPSOILING, 100 MM THICK	695.00	4.0000	SM	R			
0065	03	8H23C	FERTILIZING AND SEEDING, TYPE A-3	695.00	1.0000	SM	R			
0066	02	8H60C	FERTILIZING AND SEEDING, TYPE F	77.00	1.0000	SM	R			
0067	03	8K31C	STRAW MULCHING	772.00	0.4500	SM	R			
0068	03	8N05B	NONVEGETATIVE SURFACE, BITUMINOUS CONCRETE	88.00	28.0000	SM	R			
0069	01	6Q21D	DRUMS	10.00	25.0000	U	R			
0070	03	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0071	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0072	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0073	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0074	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0075	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0076	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0077	01	9Z99Z	NO ITEM	0.00	0.0000	U	R			
0078	06	2A31C	CLEARING SITE, BRIDGE	1.00	80000.0000	LS	B			
0079	06	2F12E	FOUNDATION EXCAVATION	265.00	70.0000	CM	B			
0080	06	2F21F	COFFERDAMS	1.00	20000.0000	LS	B			
0081	06	5A21A	CONCRETE IN STRUCTURES, FOOTINGS	150.00	260.0000	CM	B			
0082	06	5A31A	CONCRETE IN STRUCTURES, RETAINING WALLS	90.00	550.0000	CM	B			
0083	06	5A12B	CONCRETE IN SUBSTRUCTURES, ABUTMENT WALLS	125.00	450.0000	CM	R			
0084	06	5A13C	CONCRETE IN SUPERSTRUCTURE, DECK SLABS	30.00	700.0000	CM	B			
0085	06	5A23C	CONCRETE IN SUPERSTRUCTURE, SIDEWALKS	5.00	500.0000	CM	B			
0086	06	5A33C	CONCRETE IN SUPERSTRUCTURE, PARAPETS	56.00	300.0000	LM	B			
0087	06	5A21E	REINFORCEMENT STEEL IN STRUCTURES	9900.00	1.6000	KG	B			
0088	06	5A31E	REINFORCEMENT STEEL IN STRUCTURES, EPOXY COATED	6500.00	2.0000	KG	B			
0089	06	5A31G	EPOXY WATERPROOFING	60.00	20.0000	SM	B			
0090	06	5A30H	65 BY 65 MM PREFORMED ELASTOMERIC JOINT SEALER	27.00	65.0000	LM	B			
0091	06	5A21L	SAWCUT GROOVED DECK SURFACE	150.00	15.0000	SM	B			

CONTRACTOR PAYMENT SYSTEM FRONT END

QtyPrint

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Contractor Payment System
Quantity File Report

Page 04

DP Number: 96802

Route: MADISON AVE

Section:

Region: Headquarters

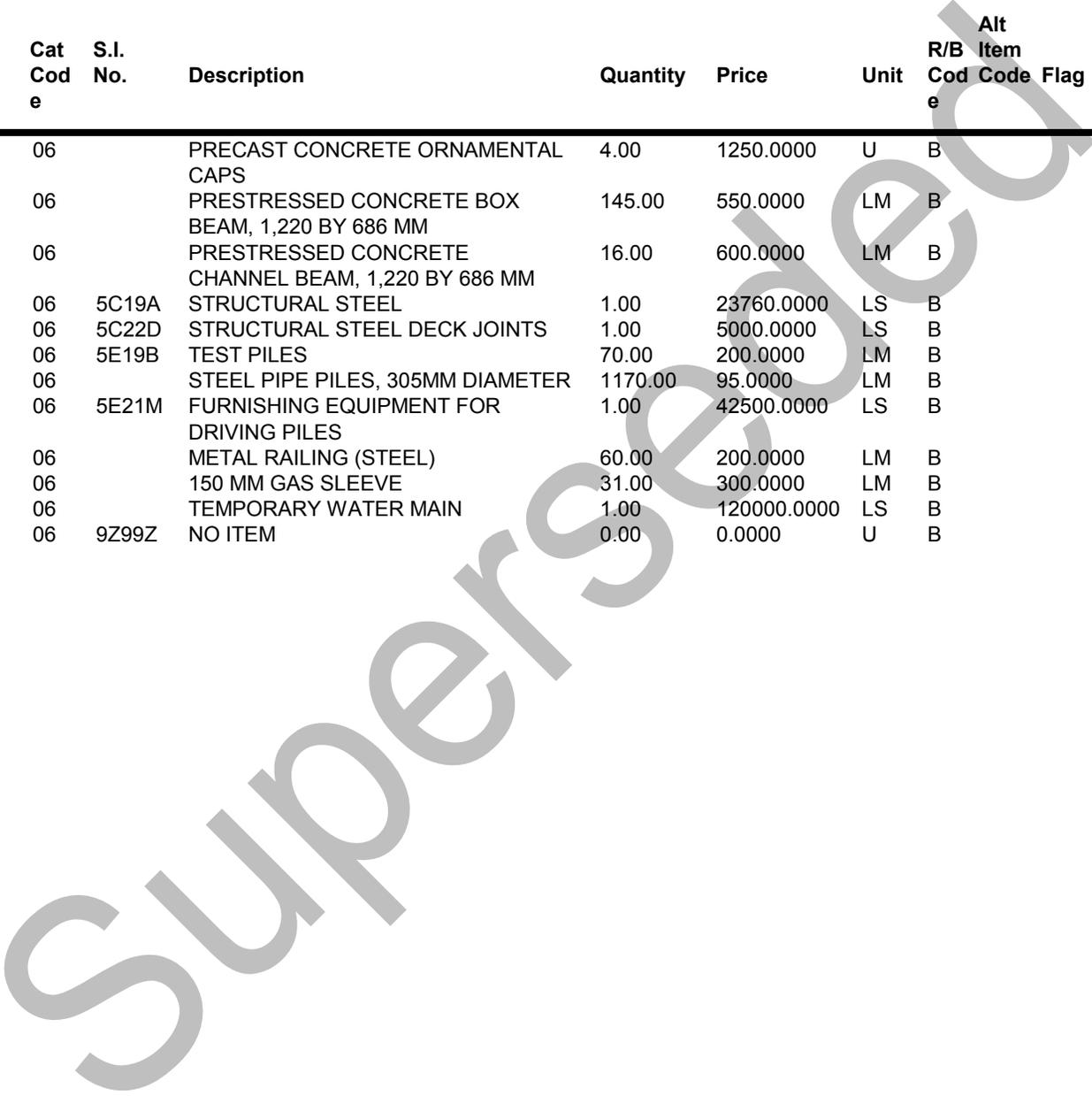
Spec Year:

1996

Project: REPLACEMENT MADISON AVENUE BRIDGE, ORADELL, NEW MILFORD

Federal Project Number:

Item No.	Cat Cod e	S.I. No.	Description	Quantity	Price	Unit	R/B Cod e	Alt Item Code	S.I. Flag	S.I. Carry	Not Carr Prop
0092	06		PRECAST CONCRETE ORNAMENTAL CAPS	4.00	1250.0000	U	B				
0093	06		PRESTRESSED CONCRETE BOX BEAM, 1,220 BY 686 MM	145.00	550.0000	LM	B				
0094	06		PRESTRESSED CONCRETE CHANNEL BEAM, 1,220 BY 686 MM	16.00	600.0000	LM	B				
0095	06	5C19A	STRUCTURAL STEEL	1.00	23760.0000	LS	B				
0096	06	5C22D	STRUCTURAL STEEL DECK JOINTS	1.00	5000.0000	LS	B				
0097	06	5E19B	TEST PILES	70.00	200.0000	LM	B				
0098	06		STEEL PIPE PILES, 305MM DIAMETER	1170.00	95.0000	LM	B				
0099	06	5E21M	FURNISHING EQUIPMENT FOR DRIVING PILES	1.00	42500.0000	LS	B				
0100	06		METAL RAILING (STEEL)	60.00	200.0000	LM	B				
0101	06		150 MM GAS SLEEVE	31.00	300.0000	LM	B				
0102	06		TEMPORARY WATER MAIN	1.00	120000.0000	LS	B				
0103	06	9Z99Z	NO ITEM	0.00	0.0000	U	B				



CONTRACTOR PAYMENT SYSTEM FRONT END

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**Contractor Payment System
Preliminary Engineer's Estimate**

Page 01

DP Number: 96802

Route:

Section:

Region: North Spec Year: 1996

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
Price File:

Current Bid

BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COUNTY. **Federal Project**
Number: FEDERAL PROJECT NO. BRM-8482(104). **BRM-**
8482(104)

02/03/1998

Item No.	Cat Code	S.I No..	Description	Unit	R/B	Alt Item Code	Quantity	Price	Extended Amounts	Not Carry Prop
ROAD										
ROADWAY ITEMS										
0001	01	1C21E	PERFORMANCE BOND AND PAYMENT BOND	LS	R		1.00	9,000.0000	9,000.00	
0002	01	1D21C	FINAL CLEANUP	LS	R		1.00	4,000.0000	4,000.00	
0003	01	1E21C	CONSTRUCTION LAYOUT	LS	R		1.00	20,000.0000	20,000.00	
0009	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0010	01	1G21C	T RAINEES	HRS	R		1,000.00	1.0000	1,000.00	
0011	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0013	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0014	01	1H21D	MOBILIZATION	LS	R		1.00	77,000.0000	77,000.00	
0015	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0016	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0017	01	2A21C	CLEARING SITE	LS	R		1.00	35,000.0000	35,000.00	
0018	01	2B25B	ROADWAY EXCAVATION, UNCLASSIFIED	CM	R		1.026.00	18.0000	18,468.00	
0019	01	2C02A	POROUS FILL	CM	R		359.00	40.0000	14,360.00	
0020	01	2B50G	SAWCUTTING	LM	R		76.00	7.0000	532.00	
0021	01	2B80N	MILLING, VARIABLE DEPTH	SM	R		343.00	18.0000	6,174.00	
0022	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0023	01	2G02E	EARTH EXCAVATION FOR TEST PITS	CM	R		6.00	65.0000	390.00	
0024	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	
0025	01	2H21C	SUBBASE	CM	R		157.00	40.0000	6,280.00	
0031	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0032	01	3A15D	DENSE GRADED AGGREGATE	SM	R		735.00	7.0000	5,145.00	
0034	01	3E02B	BITUMINOUS-STABILIZED BASE COURSE, MIX I-2	MGR	R		134.00	55.0000	7,370.00	
0035	01	4D14B	BITUMINOUS CONCRETE SURFACE COURSE , MIX I-4 HD	MGR	R		132.00	60.0000	7,920.00	
0036	01	4D31C	PRIME COAT	L	R		860.00	0.2600	223.60	
0037	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	
0038	01	6B35G	525 MM REINFORCED CONCRETE CULVERT PIPE	LM	R		6.00	140.0000	840.00	
0039	01	6C26C	INLETS, TYPE B	U	R		1.00	1,800.0000	1,800.00	
0040	01	6C31E	MANHOLES	U	R		1.00	2,000.0000	2,000.00	

Note: Extended amounts marked with "*" and items Not Carry to Proposal are not included in totals

CONTRACTOR PAYMENT SYSTEM FRONT END

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 Preliminary Engineer's Estimate
 DP Number: 96802 Route: Section: Region: North Spec Year: 1996

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER; Current Bid
 Price File: BRIDGE REPLACEMENT AND ROADWAY WIDENING; 02/03/1998
 BOROUGH OF ORADELL AND NEW MILFORD, BERGEN COUNTY. Federal Project
 Number: FEDERAL PROJECT NO. BRM-8482(104). BRM-8482(104)

Item No.	Cat Code	S.I No..	Description	Unit	R/B	Alt Item Code	Quantity	Price	Extended Amounts	Not Carry Prop
0041	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0042	01	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0043	01	6C22I	RESET CASTINGS	U	R		3.00	200.0000	600.00	
0044	01	6E20G	225 BY 400 MM WHITE CONCRETE VERTICAL CURB	LM	R		57.00	60.0000	3,420.00	
0045	01	6G10C	CONCRETE SIDEWALD, 100 MM THICK	SM	R		97.00	40.0000	3,880.00	
0046	01	6G20D	CONCRETE SIDEWALD, REINFORCED, 200 MM THICK	SM	R		21.00	55.0000	1,155.00	
0047	01	6G15E	BITUMINOUS CONCRETE DRIVEWAY, 150 MM THICK	SM	R		53.00	35.0000	1,855.00	
0048	01	6G01R	PUBLIC SIDEWALD CURB RAMP DELINEATION	SM	R		8.00	100.0000	800.00	
0049	01	6L21B	BEAM GUIDE RAIL	LM	R		46.00	75.0000	3,450.00	
0050	01	6L31B	BEAM GUIDE RAIL, BRIDGE	LM	R		21.00	230.0000	4,830.00	
0051	01	6L12C	SLOTTED GUIDE RAIL TERMINALS	U	R		1.00	2,400.0000	2,400.00	
0052	01	6L15C	EXTRUDER TERMINALS	U	R		1.00	4,200.0000	4,200.00	
0053	01	6L41C	BEAM GUIDE RAIL ANCHORAGES	U	R		1.00	500.0000	500.00	
0054	01	6N21M	RESET FENCE	LM	R		104.00	58.0000	6,032.00	
0055	01	6N24T	TEMPORARY CHAIN-LINK FENCE, 2.4 M HIGH	LM	R		150.00	72.0000	10,800.00	
0056	01	6P50I	RIPRAP STONE SLOPE PROTECTION, 750 MM THICK	SM	R		118.00	60.0000	7,080.00	
0057	01	6Q03B	BARRICADES, TYPE IIIA	LM	R		4.00	60.0000	240.00	
0058	01	6Q22B	BREAKWAY BARRICADES	U	R		6.00	110.0000	660.00	
0059	01	6Q44C	PRECAST CONCRETE CURB, CONSTRUCTION BARRIER, TYPE 4	LM	R		25.00	90.0000	2,250.00	
0060	01	6Q10F	CONSTRUCTION SIGNS	SM	R		34.00	175.0000	5,950.00	
0061	01	6R22D	TRAFFIC MARKINGS, LINES, LONG LIFE, THERMOPLASTIC	LM	R		514.00	1.5000	771.00	
0062	01	6S20B	SIGNS	SM	R		1.00	300.0000	300.00	
0063	01	6V01A	RESET WATER VALUE BOXES	U	R		4.00	50.0000	200.00	
0069	01	6Q21D	DRUMS	U	R		10.00	25.0000	250.00	
0071	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	
0072	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	
0073	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	
0074	01	9Z99Z	NO TIEM	U	R		0.00	0.0000	0.00	

Note: Extended amounts marked with "*" and items Not Carry to Proposal are not included in totals

CONTRACTOR PAYMENT SYSTEM FRONT END

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**Contractor Payment System
Preliminary Engineer's Estimate**

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DP Number: 96802

Route:

Section:

Region: North

Spec Year: 1996

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;

Current Bid

Price File:

BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGH OF ORADELL AND NEW MILFORD, BERGEN COUNTY.
Number: FEDERAL PROJECT NO. BRM-8482(104).
8482(104)

02/03/1998

**Federal Project
BRM-**

Item No.	Cat Code	S.I No..	Description	Unit	R/B	Alt Item Code	Quantity	Price	Extended Amounts	Not Carry Prop
0075	01	9Z99Z	NO ITEM	U	R		0.00	0.0000		
0076	01	9Z99Z	NO ITEM	U	R		0.00	0.0000		
0077	01	9Z99Z	NO ITEM	U	R		0.00	0.0000		
									Category 01 Total:	279,125.60
ROADWAY ITEMS										
EROSION CONTROL ITEMS										
0026	02	2L05A	SILT FENCE	LM	R		310.00	5.0000	1,550.00	
0027	02	2L22C	INLET FILTERS	U	R		3.00	50.0000	150.00	
0028	02	2L26C	INLET PROTECTION, HAYBALE BARRIER	U	R		1.00	50.0000	50.00	
0029	02	2L20F	CONSTRUCTION DRIVEWAY	MGR	R		173.00	15.0000	2,595.00	
0030	02	2L03H	HAYBALES	U	R		40.00	5.0000	200.00	
0033	02	3B08E	COARSE AGGREGATE, SIZE NO. 8CM		R		1.00	70.0000	70.00	
0066	02	8H60C	FERTILIZING AND SEEDING, TYPE SM F		R		77.00	1.0000	77.00	
									Category 02 Total:	4,692.00
ROADWAY ITEMS										
LANDSCAPE - GENERAL ITEMS										
0064	03	8F04C	TOPSOILING, 100 MM THICK	SM	R		695.00	4.0000	2,780.00	
0065	03	8H23C	FERTILIZING AND SEEDING, TYPE A-3	SM	R		695.00	1.0000	695.00	
0067	03	8K31C	STRAW MULCHING	SM	R		772.00	0.4500	347.40	
0068	03	8N05B	NONVEGETATIVE SURFACE, BITUMINOUS CONCRETE	SM	R		88.00	28.0000	2,464.00	
0070	03	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
									Category 03 Total:	6,286.40
CONSTRUCTION ENGINEERING ITEMS										
0004	04	1E41E	FIELD OFFICE TYPE C SET-UP	U	R		1.00	20,000.0000	20,000.00	
0005	04	1E41F	FIELD OFFICE TYPE C MAINTENANCE	MO	R		18.00	1,000.0000	18,000.00	
0006	04	1E31G	TELEPHONE SERVICE	LS	R		1.00	5,000.0000	5,000.00	
0007	04	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
0008	04	9Z99Z	NO ITEM	U	R		0.00	0.0000	0.00	
									Category 04 Total:	43,000.00
NON-PARTICIPATIONG ITEMS										
0012	05	1G13I	OWNER'S AND CONTRACTOR'SLS PROTECTIVE LIABILITY INSURANCE		R		1.00	2,500.0000	2,500.00	
									Category 05 Total:	2,500.00
									Road Total:	335,604.00

Note: Extended amounts marked with "*" and items Not Carry to Proposal are not included in totals

CONTRACTOR PAYMENT SYSTEM FRONT END

Pengest 02/04/1998

Contractor Payment System
Preliminary Engineer's Estimate

Page 04

DP Number: 96802 Route:

Section: Region: North

Spec Year: 1996

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COUNTY.
FEDERAL PROJECT NO. BRM-8482(104).

Current Bid Price File:
02/03/1998
Federal Project Number:
BRM-8482(104)

Item No.	Cat Code	S.I No..	Description	Unit	Alt R/B Code	Item Code	Quantity	Price	Extended Amounts	Not Carry Prop
BRIDGE ITEMS										
STRUCTURE # 0200-38C										
MADISON AVE. BRIDGE OVER HACKENSACK RIVER										
STRUCTURE TYPE X081										
0078	06	2A31C	CLEARING SITE, BRIDGE		LS	B	1.00	80,000.0000	80,000.00	
0079	06	2F12E	FOUNDATION EXCAVATION		CM	B	265.00	70.0000	18,550.00	
0080	06	2F21F	COFFERDAMS		LS	B	1.00	20,000.0000	20,000.00	
0081	06	5A21A	CONCRETE IN STRUCTURES, FOOTINGS		CM	B	150.00	260.0000	39,000.00	
0082	06	5A31A	CONCRETE IN STRUCTURES, RETAINING WALLS		CM	B	90.00	550.0000	49,500.00	
0083	06	5A12B	CONCRETE IN SUBSTRUCTURES, ABUTMENT WALLS		CM	B	125.00	450.0000	56,250.00	
0084	06	5A13C	CONCRETE IN SUPERSTRUCTURE, DECK SLABS		CM	B	125.00	450.0000	56,250.00	
0085	06	5A23C	CONCRETE IN SUPERSTRUCTURE, SIDEWALKS		CM	B	5.00	500.0000	2,500.00	
0086	06	5A33C	CONCRETE IN SUPERSTRUCTURE, PARAPETS		LM	B	56.00	300.0000	16,800.00	
0087	06	5A21E	REINFORCEMENT STEEL IN STRUCTURES		KG	B	9,900.00	1.6000	15,840.00	
0088	06	5A31E	REINFORCEMENT STEEL IN STRUCTURES, EPOXY COATED		KG	B	6,500.00	2.0000	13,000.00	
0089	06	5A31G	EPOXY WATERPROOFING SEAL COAT		SM	B	60.00	20.0000	1,200.00	
0090	06	5A30H	65 BY 65 MM PREFORMED ELASTOMERIC JOINT SEALER		LM	B	27.00	65.0000	1,755.00	
0091	06	5A21L	SAWCUT GROOVED DECK SURFACE		SM	B	150.00	15.0000	2,250.00	
0092	06		PRECAST CONCRETE ORNAMENTAL CAPS		U	B	4.00	1,250.0000	5,000.00	
0093	06		PRESTRESSED CONCRETE BOX BEAM, 1,220 BY 686 MM		LM	B	145.00	550.0000	79,750.00	
0094	06		PRESTRESSED CONCRETE CHANNEL BEAM, 1,220 BY 686 MM		LM	B	16.00	600.0000	9,600.00	
0095	06	5C19A	STRUCTURAL STEEL		LS	B	1.00	23,760.0000	23,760.00	
0096	06	5C22D	STRUCTURAL STEEL DECK JOINTS		LS	B	1.00	3,080.0000	3,080.00	
0097	06	5E19B	TEST PILES		LM	B	70.00	200.0000	14,000.00	
0098	06		STEEL PIPE PILES, 305 MM DIAMETER		LM	B	1,170.00	95.0000	111,150.00	
0099	06	5E21M	FURNISHING EQUIPMENT FOR DRIVING PILES		LS	B	1.00	42,500.0000	42,500.00	
0100	06		METAL RAILING (STEEL)		LM	B	60.00	200.0000	12,000.00	

Note: Extended amounts marked with "*" and items Not Carry to Proposal are not included in totals

CONTRACTOR PAYMENT SYSTEM FRONT END

Pengest 02/04/1998

**Contractor Payment System
Preliminary Engineer's Estimate**

Page 05

DP Number: 96802 Route:

Section: Region: North

Spec Year: 1996

Project: MADISON AVENUE BRIDGE OVER HACKENSACK RIVER;
BRIDGE REPLACEMENT AND ROADWAY WIDENING;
BOROUGHES OF ORADELL AND NEW MILFORD, BERGEN COUNTY.
FEDERAL PROJECT NO. BRM-8482(104).

Current Bid Price File:
02/03/1998

Federal Project Number:
BRM-8482(104)

Item No.	Cat Code	S.I No..	Description	Unit	R/B	Alt Item Code	Quantity	Price	Extended Amounts	Not Carry Prop
0101	06		150 MM GAS MAIN SLEEVE	LM		B	31.00	300.0000	9,300.00	
0102	06		405 MM TEMPORARY WATER MAIN	LS		B	1.00	100,000.0000	100,000.00	
Category 06 Total:									<u>747,785.00</u>	
Bridge Total:									<u>747,785.00</u>	
Grand Total:									<u>1,083,389.00</u>	

Note: Extended amounts marked with "*" and items Not Carry to Proposal are not included in totals

Superseded