

## Quality Control & Quality Assurance Software - 15

### INTRODUCTION

The following contains information on the Quality Control / Quality Assurance (QC/QA) computer programs used by CDOT to calculate the Incentive/Disincentive Payments (I/DP) on paving projects. The calculations are based on Standard Specifications 105.05 and 105.06 and Standard Special Provisions Revisions to Sections 105 and 106 Conformity to the Contract of Hot Mix Asphalt (Voids Acceptance). Quality Levels are calculated according to CP 71.

### PROGRAMS

The current version of the programs will always be available at the download sites. Notices of new or revised programs will be distributed via CDOT's Public Announcements. The current versions of the programs at the time of this writing are as follows:

#### ***Hot Mix Asphalt (HMA):***

**Asphalt03 version 4.0.1** – Version 4.0.1 of Asphalt03 is CDOT's latest computer program used for the calculation of I/DPs on projects containing Hot Mix Asphalt (HMA) which utilize gradation acceptance as the testing criteria.

**Voids03 version 4.0.1** – Version 4.0.1 of Voids03 is CDOT's latest computer program used for the calculation of I/DPs on projects containing Hot Mix Asphalt (HMA) which utilize voids acceptance as the testing criteria and contain the paving specification, Revision to Sections 105 & 106, Conformity to the Contract of Hot Mix Asphalt (Voids Acceptance).

#### ***Portland Cement Concrete Pavement (PCCP):***

**Concrete03 version 4.0.1** – Version 4.0.1 of Concrete03 is CDOT's latest computer program used for the calculation of I/DPs on projects that contain Portland Cement Concrete Pavement.

### DOWNLOADING AND INSTALLING THE PROGRAM

**NOTE 1:** All of the computer programs are now Windows XP and Windows 7 compatible. Contact CDOT's Help Desk at 303-757-9317 for assistance.

#### **Installation, CDOT Computer:**

Click the **Windows** button

Click **Control Panel**

Double click **Programs and Features**

On the left side of the window, click **Install a program from the network**.

The list may take a minute or two to populate. When it does, locate and click on the program.

Click the **Install** button towards the top of the window.

Follow the instructions that appear to complete the installation.

If you have problems with the install contact the Help Desk at 303-757-9317.

#### **Non-CDOT Computer:**

The QC/QA programs can be downloaded from CDOT's external web site. The direct address is: <http://www.coloradodot.info/business/engineeringapplications/available-software.html>

Select the program from the list and download the install file.

Follow the instructions that appear to complete the installation.

If you have problems with the install contact CDOT's Help Desk at 303-757-9317.

## **TRANSFERRING A PROJECT'S FINAL DATA TO THE PAVEMENT DESIGN PROGRAM**

The Pavement Design Program (PDP) of the Materials & Geotechnical Branch is to receive an electronic copy of the data for all reviewed and Finalized projects, see the Documentation Chapter of this Manual for details. All of the data is entered into a data base which is used to evaluate the specifications and generate yearly reports.

### **Transferring the Data File:**

All of the 03 programs automatically create a data file for the project whenever a Final report is generated. The data file will be saved in the program's Export directory.

For example, if using Asphalt03 the data files will be saved in the following directory: C:\Program Files\Asphalt03\Export. The naming convention used by the program is: Project Code (Subaccount) \_Final.QA1. After the project has been reviewed and accepted submit the data file to the Pavement Design Program (PDP) of the Materials & Geotechnical Branch. E-mail the data file to [Kyle.Brooks@state.co.us](mailto:Kyle.Brooks@state.co.us) ; however, if this is not possible then copy it to a CD and mail it to the CDOT's Pavement Design Program c/o Kyle Brooks.

## **USER'S GUIDES**

User's Guides are available for each of the QC/QA programs. Revisions and updates to the guides will be maintained on CDOT's web site. Each of the 03 programs also contains a link to the website from within the program. To view the guide, go to "User's Guide" under "Help" on the menu bar in the program. The User's Guides are also available from CDOT's External web site at: [www.dot.state.co.us/ECSU/Documents.asp](http://www.dot.state.co.us/ECSU/Documents.asp) Check the User's Guide revision date periodically for any updates.

## **CONTACT**

If you have any questions about these programs:  
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