



# ACHM Spreadsheet Users Guide for Contractors / Suppliers

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May 2009

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## DOWNLOAD INSTRUCTIONS:

### - For Existing Users

- Open the ACHM Workbook - from the START screen - click "Backup Files". This will backup all your data to the selected drive and create a file named "OLD\_ArkansasACHM.xls". This file will be used to update your new version.
- You will see a "Zip" file - "Contractor\_ACHM.exe" - Double Click this file to begin the download procedure. 
- Click Unzip - wait for file to download.
- Click "Ok" and "Close"
- File will automatically be copied to your C:\ACHMJobs directory.
- The first time you open this file, your Mix Design and Report Lists will be copied from the OLD\_ArkansasACHM.xls file to the new version.
- You will see one of three messages after opening the file after an update:
  - (1) "Reports and Mix Design List have been imported to the New Version." - All data correctly copied to the New Version.
  - (2) "OLD\_ArkansasACHM.xls does not exist. Cannot Import Old Data" - This file must be located in the C:\ACHMJobs directory to import your data.
  - (3) "Error Importing Old Data - Use the Import page to access files." - The New version was downloaded correctly, but there was an error copying your old data into the New Version. Some suggestions if this occurs:
    - a) Have your administrator check to ensure you have "modify" privileges on the C:\ACHMJobs folder.
    - b) Restart your computer.
    - c) Defragment your C: drive.
    - d) If data will still not import correctly, delete the file "OLD\_ArkansasACHM.xls" in your C:\ACHMJobs directory. This will keep the file from continuing to try and import your old data.
    - e) The Mix Design and Reports Lists can be updated by opening a file using the "Import Screen". Each time a new file is imported the Mix will be added to the Mix List if not present.
- This Version will automatically create the "OLD\_ArkansasACHM.xls" file each time you use the "Backup Files" procedure.

### - For New Users:

- You will see a "Zip" file - "Contractor\_ACHM.exe" - Double Click this file to begin the download procedure. 
- Click Unzip - wait for file to download.
- Click "Ok" and "Close"
- Find and Double Click the ACHMJobs folder on your C: drive
- 2) You will find a shortcut in this folder (a yellow icon) 
- 3) Right click on this icon
  - Choose "Send To" and "Desktop (create shortcut)"
  - Double click this shortcut to open the ACHM Spreadsheet.
- The first time you open this file, you should see this messages:
  - "OLD\_ArkansasACHM.xls does not exist. Cannot Import Old Data"

## SiteManager ACHM Spreadsheet Issues and Answers

### **Issue #1: MACROS PREVENT THE SHEET FROM OPENING OR THE SHEET OPENS AND THE MACROS WILL NOT OPERATE.**

**Why you need to have the proper setting:** If the security setting on Excel is set too high, you cannot open files with macros.

#### **What you should do:**

**For EXCEL 2003:** Open a blank Excel worksheet. Click on TOOLS-MACROS-SECURITY and change the setting from "HIGH" to "MEDIUM". Close this sheet and open the ACHM Spreadsheet. Click on "Enable Macros" and the sheet should open.

**For EXCEL 2007:** Open a blank Excel worksheet. Click on the OFFICE button in the top left corner and choose Excel Options. Click on Trust Center and choose Trust Center Settings and then click on Trusted Locations. Next choose Add New Location, Click on Browse and Find the ACHMJobs folder on the C:\ drive. Select this folder then click on the box "Subfolders of this location are also trusted" then click "OK", "OK", and "OK".

### **Issue #2: WHAT DO I DO FIRST?**

**What this means:** How do I get started with this worksheet?

**What you should do:** Program will open on the START screen and will display the last file saved. Click "Open Report" to work with the displayed Lot report or click "Start a New Report" to create a new report. To create a new report on the NEW REPORT screen -

- Enter the Job and Report data in the WHITE cells.
- If the Job Mix Design is not available on the pull-down list - go to the ADD MIX DESIGN sheet and input the Mix Design information and click "Add New Design" - go back to the NEW REPORT screen - the design you just added will now be available on the Mix Design pull-down list.
- When all blanks are completed - click the "Create Report" button. This will start the report and take you to the MENU sheet.
- Enter Lot data on the LOOSE MIX, VOLUMETRICS and GRADATIONS sheets (See Help below). You should not have to enter any piece of information more than one time. **ONLY ATTEMPT TO ENTER INFORMATION INTO THE WHITE CELLS. WATCH FOR PULL-DOWN MENUS AND POP-UP GUIDES IN THE CELLS.**

### **Issue #3: CELL NAMED "C:\ACHMJobs"**

**What this means:** This is the folder on your C:\ drive that will be used to store the spreadsheet while you are working on it. All project reports will also be saved to this directory.

**What you should do:** Make sure that you do not delete this folder on your C:\ drive. Do not delete any subfolders or files that are on your REPORT LIST screen.

## SiteManager ACHM Spreadsheet Issues and Answers (Cont.)

### **Issue #4: CELL NAMED "SAMPLE ID"**

**What this means:** This is the SiteManager ID.

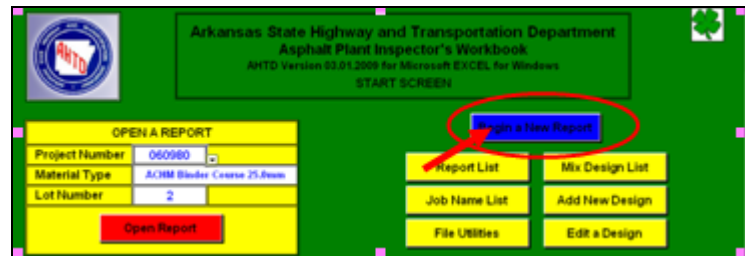
**What you should do:** The first 11 digits have been completed for you - based on your District, User ID, and year. Simply fill in the last 4 digits of the sample ID on the New Report sheet. If the first two numbers shown on your sample ID are not correct, click on the "Change My District" button on the START screen. The 15 digit alphanumeric Sample ID must follow this naming procedure: First two digits: Your District # i.e. 09, Next seven digits: Your SM user id, i.e. MLAC160, Next two digits: The year, i.e. 08 and the last four digits: the sequential numerical test number that you have taken for the year, i.e. the first one will be 0001. This comes out to be 09MLAC160080001 for Mitchell Archer's first sample of 2008.

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## HOW DO I?

### - Start a Lot Report

1. From the START screen - Choose "Begin a New Report". This button is also available on many other screens including the MENU screen and the REPORT LIST.



2. Enter the AHTD Job number or choose from the pull-down list. Job number will be shown on the pull-down list if it is shown on the REPORT LIST.
3. If the Job number exists on the REPORT LIST, the Job Name will be filled in for you. If not, simply input the Job Name in this field. Remember you cannot edit this name, so get it right the first time.

4. Your SiteManager Sample ID is a 15 character label that will identify this sample. You need to only enter the last four characters of your sample ID. The first 11 characters will automatically be displayed based on the district chosen on the START screen, your Login ID and the current year.

5. Choose the Mix Design number from the pull-down list. If the Mix Design number is not listed, you will need to input the Mix Design Information on the NEW MIX DESIGN screen. The Mix number will be added to this list after you have entered all information for the design.

## HOW DO I?

## - Start a Lot Report (Cont.)

6. After the Mix Number is chosen, the Material Type and Producer will be displayed.
7. Input the Lot number for this Material Type. Lot numbers cannot be duplicated for the same Job number and Material Type.

BEGIN A NEW REPORT				
Job Number	060980	Sample I.D.	08SDPE10909 0005	
Job Name	Hwy. 1 - Hwy. 2 (Overlay)(S)			
County	Pulaski	Mix Design No.	HM303-04	
Material Type	ACHM Surface Course 12.5mm	Lot Number	2	
Producer	CRANFORD(DRUM) - LITTLE ROCK, AR			
<div style="border: 1px solid black; background-color: red; color: white; padding: 5px; display: inline-block;">Create Report</div>				

8. When all fields have been completed the "Create Report" button will be enabled. Click this button to create this Lot Report.

BEGIN A NEW REPORT				
Job Number	060980	Sample I.D.	08SDPE10909 0005	
Job Name	Hwy. 1 - Hwy. 2 (Overlay)(S)			
County	Pulaski	Mix Design No.	HM303-04	
Material Type	ACHM Surface Course 12.5mm	Lot Number	2	
Producer	CRANFORD(DRUM) - LITTLE ROCK, AR			
<div style="border: 1px solid black; background-color: red; color: white; padding: 5px; display: inline-block;">Create Report</div>				

9. Lot information will be added to your REPORT LIST and you will be taken to the MENU screen. You can then access the VOLUMETRICS and GRADATION screens to enter test data for this Lot.

Arkansas State Highway and Transportation Department Asphalt Plant Inspector's Workbook AHTD Version 03.01.2009 for Microsoft EXCEL for Windows MENU SCREEN			
<div style="border: 1px solid black; padding: 2px;"> C:\ACHM\Jobs\ 060980 060980_25.0mm_1 of 2.xls  Sample I.D. 08SDPE109090004 User ID: SDPE109  Date Reported NOT REPORTED  Mix Design No. HM118-07  Lot - Sublot 2 1 2 3 4 5  Job Number 060980  Job Name Hwy. 1 - Hwy. 2 (Overlay)(S)  County Arkansas  M.A. Quantity Total Quantity  Material Type ACHM Binder Course 25.0mm  Producer BLACKSTONE CONSTRUCTION, LLC -  ROSELLEVILLE, AR. </div>		MIX DESIGN IN USE AHTD REPORT VOLUMETRICS GRADATION LOOSE MIX TECHNICIANS SUMMARY PAGE	<div style="border: 1px solid black; background-color: red; color: white; padding: 5px; text-align: center;">SAVE TO LOCAL DRIVE</div> <div style="border: 1px solid black; background-color: red; color: white; padding: 5px; text-align: center;">EXIT</div> <div style="border: 1px solid black; background-color: red; color: white; padding: 5px; text-align: center;">UPLOAD CONTRACTOR DATA</div> <div style="border: 1px solid black; background-color: red; color: white; padding: 5px; text-align: center;">TRANSFER TO SERVER</div>

Microsoft Excel  
You are now ready to input test results.  

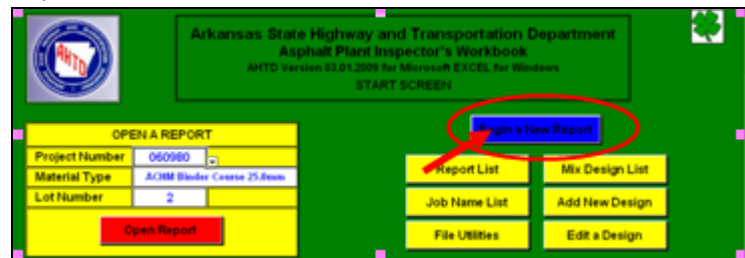
OK



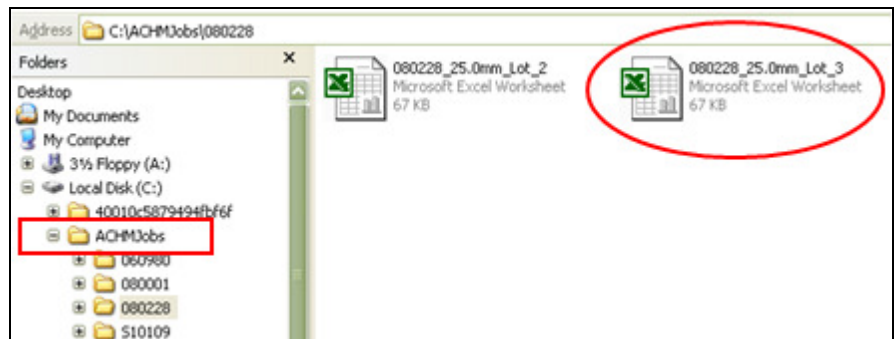
## HOW DO I?

## - Send my Data to AHTD

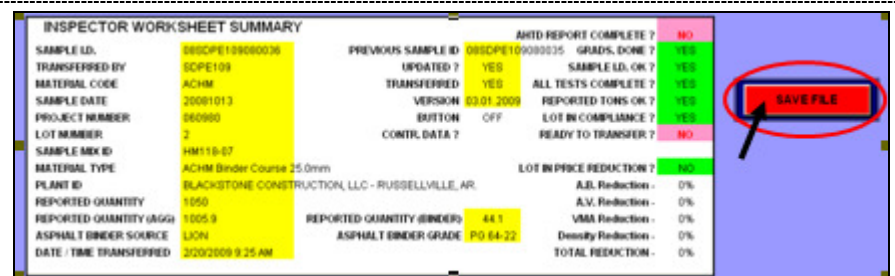
1. From the START screen - Choose "Begin a New Report". Make sure that you and the AHTD inspector agree on the LOT number. Input your Volumetric and Gradation data.



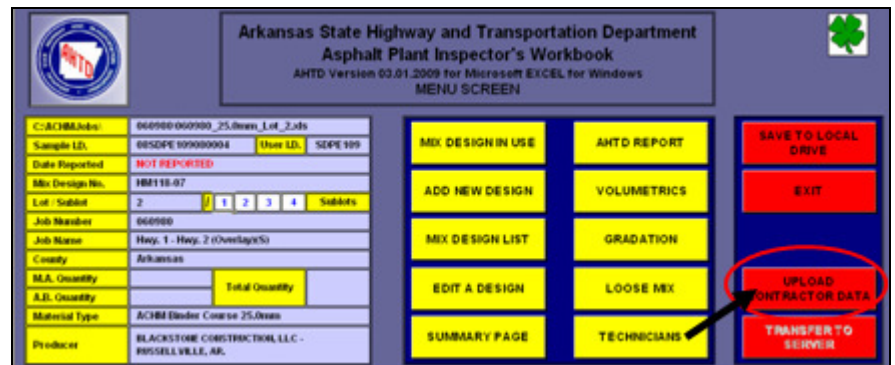
2. The Contractor's data files will be located on their C:\ drive in the ACHMJobs folder. E-mail or give a copy of this file to your Inspector. At this time, you will still need to give a printed copy of your results to the AHTD inspector.



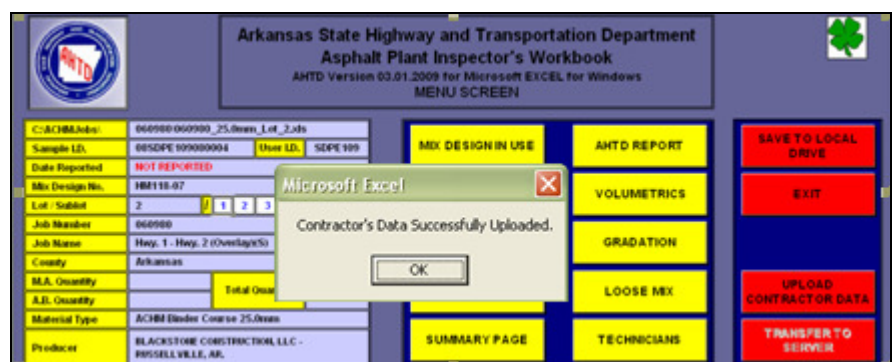
3. Your Inspector will open this data file directly - NOT IN THE ACHM WORKBOOK - and click on the "SAVE FILE" button. This will rename the file and save the contractor's data to their computer.



4. The Inspector will then open the ACHM Workbook to the Lot report that they wish to upload your data into. From the MENU screen they will click "UPLOAD CONTRACTOR DATA".



5. Your data will be uploaded only into the VOLUMETRICS and GRADATION screens. This will then lock editing of your data by AHTD. Your data may be uploaded after each subplot or when the Lot is complete and your data may be re-uploaded anytime a change is needed.





# START SCREEN

1. When the program is opened, this area will show the last file you worked with. Click on the "Open Report" 2 button to go to that report, or use the pull-down arrows 1 to change to another previously saved file.
2. Click this button to open the file chosen above, and take you to the MENU screen. This button will not work until all the information is entered in the cells in 1 Use this button also to take you back to the MENU screen at any time.
3. Will take you to the NEW REPORT screen (see below) and allow you begin a new Lot Report.
4. Click one of these buttons to navigate to a different screen. See the help below for that particular screen.
5. File will be saved as ArkansasACHM.xls to your C:\ACHMJobs directory.
6. EXIT Button - will close the program. Screen will ask you if you would like to save before closing or you can click "Cancel" if you hit this button by mistake.
7. Little bit of Help, with a link to this USERS GUIDE.
8. You will only need this button if you have moved out of your District. This will set the first two numbers of your Sample ID - if incorrect change it here.

## - Start Screen (Utilities)

9. This will take you to the File Utilities screen and allow you to Import a file that is not listed on your Report List. The Mix design will be automatically added to your Mix List if needed.

10. This will copy all the contents of your C:\ACHMJobs director to the Drive selected on the File Utilities screen. Remember to back your data up before you install a new Version of this Workbook.

11. Will display the date you last backed up your data.

# NEW REPORT SCREEN

**BEGIN A NEW REPORT**

1 Job Number

2 Job Name

3 Sample I.D. 08SDPE10909

4 County

5 Mix Design No.

6 Lot Number

7 Material Type

8 Create Report

9 START Screen

10 Report List, Add New Design, Job Number List, Mix Design List, Sample ID List, Edit a Design

Exit

- |  |   |
|--|---|
| 1. Type the Job Number for the report you would like to start or use the pull-down arrow to choose a previous Job Number. Must be formatted exactly as in the contract or SiteManager will reject your report. | 6. Enter the Lot number of the report you would like to start. Check the Report List screen for the previous lot saved. You will not be able to create a report if the Lot number chosen is already on the Report List. |
| 2. Enter the Job Name exactly as in the contract. If a previous Job Number was chosen in 1 this will be filled in automatically.   | 7. Material Type and Producer will be filled in automatically based on the Mix Design Number. If incorrect - go to "Edit a Design" to correct.  |
| 3. Enter <u>only</u> the last four digits of your Sample ID number - first test of the year would be "0001". The first eleven digit displayed should be - your District, your User ID and the year.            | 8. This button will not work until all information is entered in the WHITE cells above. When complete - click this button to Start the new report and take you to the MENU screen.                                      |
| 4. A pull-down menu is available to choose your county - or you may just type it in.   | 9. Will take you back to the Start Screen and allow you to open a previously saved report.  |
| 5. Use the pull-down arrow to choose your Mix Design Number. If not on the list - click on the "Add New Design button" to enter design details.  | 10. Click one of these buttons to see a different screen. See the help below for that particular screen   |

# FILE UTILITIES SCREEN

**FILE UTILITIES**

**1 IMPORT A FILE**

To Open a File that is NOT Listed in the Report List:

1. Copy the Summay Page data file to this computer or a flash drive. (for example: 080001\_12.5mm\_Lot\_1.xls) These files are located in C:\ACHMJobs.
2. Click on the button below to select the location of the file to be imported, then double-click the file to import.
3. File will be added to your Report List and mix design will be added to the Mix list if needed.

**FILE TO OPEN**

**4 Choose File and Import Data**

**START SCREEN**

**Report List**

**Job Name List**

**BACKUP FILES**

Backup Drive Location

**5**

D: H: E: X: F: Y: G: Z:

**6** Backup Drive: G:

**7** Backup Files

1. This procedure will allow you to import raw sample data created on another computer to view, add additional data or transfer to SiteManager. You will first need to copy the data file to the computer you are now using. On import, the report data will be copied to your REPORT LIST and can be opened in the future from the Start Screen. In addition, the Mix Design from the imported report will be added to you MIX DESIGN LIST if not present - no need to add the Mix Design before importing file.

2. Instructions for Importing a file. All ACHM data files will be available for import. Window will open in the C:\ACHMJobs directory.

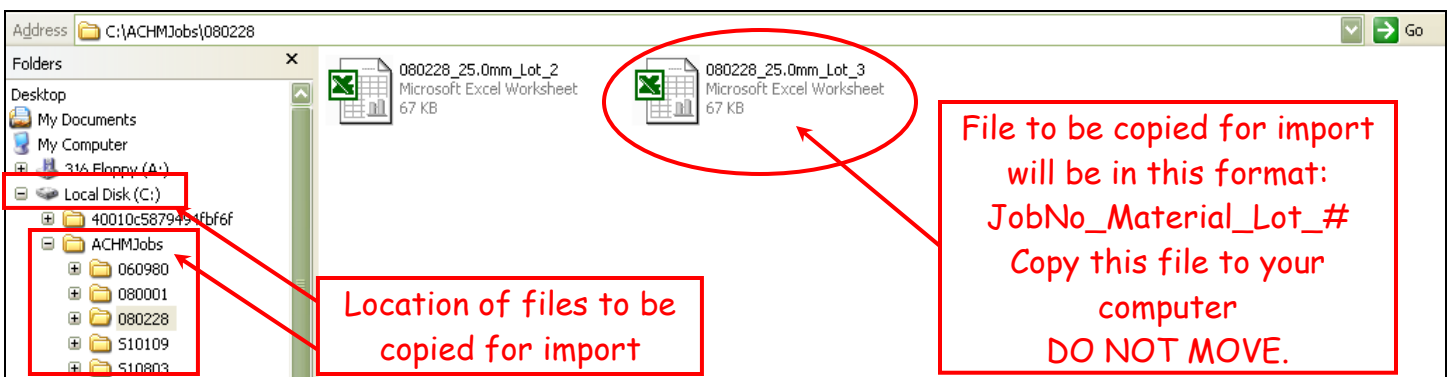
3. File to be opened will be displayed in this area.

4. This will open a window to choose the file you wish to import. You can navigate all directories listed on this computer. Double-click the file to import or select the file and click "OK" to import. Data will be taken from the selected file, copied to the ACHM Spreadsheet and take you to the MENU Screen.

5. Click the drive letter for your Flash Drive or other backup location.

6. Backup drive will be displayed in this area.

7. This will copy all the contents of your C:\ACHMJobs directory to the drive selected. This will also create a backup file of the ArkansasACHM.xls file to be named OLD\_ArkansasACHM.xls. This file will be used to update any new versions downloaded. **BACKUP OFTEN.**



<p>1. Click one of these buttons to change screens. See the help above for that particular screen.</p>	<p>3. Navigation arrows - click one of these arrows to move you to a different area on this screen.</p>
<p>2. When you click "Create Report" on the NEW REPORT screen that information is copied to this list. Information is sorted according to Job Number and Material Type - so is a good place to check previous Lot numbers. Cell background colors separate differing Job numbers. Reports listed on this screen will be available on the pull-down lists on the START SCREEN.</p>	

## REPORT LIST (cont.)

### - Delete a Report on List

Job No.	Material Type	Lot	Sample I.D.	Mix Number	Producer	County	Created	Status	Delete
050163	ACHM Surface Course 12.5mm	1	08HJNC236080802	HM398-03	ROGERS GROUP, INC. - GREENBRIER, AR.	White	02/17/09	Incomplete	2
060980	ACHM Binder Course 25.0mm	1	08SDPE109080024	HM118-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	Pulaski	09/08/08	Reported	
060980	ACHM Binder Course 25.0mm	2	08SDPE109080036	HM118-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	Arkansas	10/13/08	Reported	
060980	ACHM Binder Course 25.0mm	3	08SDPE109080044	HM118-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	Arkansas	02/17/09	Void	
060980	ACHM Binder Course 25.0mm	3	08SDPE109099996	HM118-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	Arkansas	03/10/09	Incomplete	
060980	ACHM Surface Course 12.5mm	1	08SDPE109099997	HM125-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	Boone	02/19/09	Incomplete	
S10205	ACHM Surface Course 12.5mm	2	06JETC227080004	HM216-05	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.	Arkansas	02/26/09	Reported	
S10207	ACHM Surface Course 12.5mm	1	02LLRC387080131	HM303-04	CRANFORD (DRUM) - LITTLE ROCK, AR.	Grant	02/27/09	Reported	
S10610	ACHM Surface Course 12.5mm	1	06JETC227080005	HM434-04	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.	Lonoke	02/27/09	Reported	3
S10808	ACHM Surface Course 12.5mm	2	06CDCC241080005	HM106-06	CRANFORD-Crystal Hill Plant #4 - NORTH LITTLE ROCK, AR.	Faulkner	10/13/08	Reported	
S10808	ACHM Surface Course 12.5mm	2	06CDCC241080005	HM106-06	CRANFORD-Crystal Hill Plant #4 - NORTH LITTLE ROCK, AR.	Faulkner	02/17/09	Reported	
S10808	ACHM Surface Course 12.5mm	2	06CDCC241080005	HM106-06	CRANFORD-Crystal Hill Plant #4 - NORTH LITTLE ROCK, AR.	Faulkner	02/17/09	Reported	
S10908	ACHM Surface Course 12.5mm	1	04DAPC373080003	HM130-06	Kiewit Southern Company - SONORA, AR.	Carroll	02/19/09	Reported	
S10910	ACHM Surface Course 12.5mm	3	04DAPC373080014	HM130-06	Kiewit Southern Company - SONORA, AR.	Benton	11/12/08	Reported	
SA6856	ACHM Surface Course 12.5mm	1	01RWYC473080039	HM175-07	APAC-TENN - FORREST CITY	St. Francis	02/18/09	Incomplete	

1. Click this button to delete the designs marked in the "Delete" column. 2 You will not be able to delete the report currently in use on the MENU screen.
2. Type a "X" in this column or any other character to designate the report you would like to delete. The marked row background will change to a red color on the reports marked for deletion. Click the "Delete Marked Files" button 1 to delete from the list. This will not delete the file or folder from your C:\ drive.
3. Will show the status of the Lot report.
  - Incomplete - Report is not ready or has not been transfer to the SiteManager server.
  - Reported - Lot complete and has been transferred to SiteManager. This does not mean report was accepted - check your e-mail for to see if report was rejected.
  - Void - Lot report was replaced by a corrected version. All Voided reports will be formatted with a red strikethrough as seen above.



## JOB LIST

[illegible]

1. A list of Jobs and Job Names that were created when you click "Create Report" on the NEW REPORT screen. Are not able to add, delete or edit on this screen. If Job is deleted on the REPORT LIST, it will also be removed from this list.

# SAMPLE ID LIST

[illegible]


1. A list of Sample ID numbers that were created when you click "Create Report" on the NEW REPORT screen. Numbers are sorted with the latest number at the top of the list - so is a good place to check for the next Sample ID. If Job is deleted on the REPORT LIST it will be removed from this list.  
NOTE: The list shows only Sample ID's created in this ACHM Program
2. You may sort this list by different fields by clicking one of these buttons.

## NEW MIX DESIGN SCREEN

## INPUT A NEW MIX DESIGN

<b>1</b>	<table border="1" style="width: 100%;"> <tr> <th style="width: 20%;">Mix Design Number</th> <th style="width: 40%;">Producer</th> <th style="width: 40%;">Mixture Type</th> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	Mix Design Number	Producer	Mixture Type	<input type="text"/>	<input type="text"/>	<input type="text"/>	<b>3</b>																																																							
Mix Design Number	Producer	Mixture Type																																																													
<input type="text"/>	<input type="text"/>	<input type="text"/>																																																													
<b>4</b>	<table border="1" style="width: 100%;"> <tr> <th colspan="2">Binder Information</th> </tr> <tr> <td style="width: 50%;">           Mix No.            Input Mix No. as shown on the Mix Design e.g. HM019-06         </td> <td style="width: 50%;">           Optimum Percent         </td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	Binder Information		Mix No. Input Mix No. as shown on the Mix Design e.g. HM019-06	Optimum Percent	<input type="text"/>	<input type="text"/>	<b>5</b>	<table border="1" style="width: 100%;"> <tr> <td>MIX DESIGN VERIFIED (DATE)</td> </tr> <tr> <td><input type="text"/></td> </tr> </table>	MIX DESIGN VERIFIED (DATE)	<input type="text"/>																																																				
Binder Information																																																															
Mix No. Input Mix No. as shown on the Mix Design e.g. HM019-06	Optimum Percent																																																														
<input type="text"/>	<input type="text"/>																																																														
MIX DESIGN VERIFIED (DATE)																																																															
<input type="text"/>																																																															
	<table border="1" style="width: 100%;"> <tr> <th colspan="2">Mixture Properties</th> </tr> <tr><td>Air Void - Percent</td><td><input type="text"/></td></tr> <tr><td>V.M.A. - Percent</td><td><input type="text"/></td></tr> <tr><td>Nmax</td><td><input type="text"/></td></tr> <tr><td>Max. Theor. Sp. Gravity (Gmm)</td><td><input type="text"/></td></tr> <tr><td>V.M.A. Correction Factor</td><td><input type="text"/></td></tr> <tr><td>Gsb</td><td><input type="text"/></td></tr> <tr><td>Gse</td><td><input type="text"/></td></tr> <tr><td>Gb</td><td><input type="text"/></td></tr> <tr><td>Antistrip - Brand</td><td><input type="text"/></td></tr> <tr><td>Antistrip - Percent</td><td><input type="text"/></td></tr> </table>	Mixture Properties		Air Void - Percent	<input type="text"/>	V.M.A. - Percent	<input type="text"/>	Nmax	<input type="text"/>	Max. Theor. Sp. Gravity (Gmm)	<input type="text"/>	V.M.A. Correction Factor	<input type="text"/>	Gsb	<input type="text"/>	Gse	<input type="text"/>	Gb	<input type="text"/>	Antistrip - Brand	<input type="text"/>	Antistrip - Percent	<input type="text"/>	<b>6</b>																																							
Mixture Properties																																																															
Air Void - Percent	<input type="text"/>																																																														
V.M.A. - Percent	<input type="text"/>																																																														
Nmax	<input type="text"/>																																																														
Max. Theor. Sp. Gravity (Gmm)	<input type="text"/>																																																														
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Menu
Mix Design List
START Screen
Begin a New Report
<b>10 ADD DESIGN TO MIX LIST</b>



\* Required Field

- |  |  |
|--|--|
| <p><b>1.</b> Input your Mix Design Number as shown on the Mix Design - for example HM001-08.</p> <p><b>2.</b> Use the pull-down arrow to choose the Asphalt Plant and location. If not on this list, you may type your plant name in this cell.</p> <p><b>3.</b> Use the pull-down arrow to choose the type of Mixture.</p> <p><b>4.</b> Use the pull-down arrow to choose the Asphalt Binder grade and Asphalt Binder Supplier. If your supplier is not listed, you may type the supplier in this cell.</p> <p><b>5.</b> Enter the latest date the Mix Design was verified at your plant. You may leave this cell blank if entering a new design that has yet to be verified.</p> | <p><b>6.</b> Enter the Mixture Properties from your approved Mix Design in this area. Nmax will be computed for you based on the Binder grade.</p> <p><b>7.</b> The VMA Correction Factor is now entered as a <u>POSITIVE</u> number - not a negative. Cannot enter a negative number in this cell.</p> <p><b>8.</b> Enter the Cold Feed information in this area. The Agg. ID column is not used at this time - so you may leave blank.</p> <p><b>9.</b> Enter the Job mix Formula in this area. Input all as a whole number except for the #200 - need to input this to the tenth.</p> <p><b>10.</b> This button will not work until all information is entered in the WHITE cells above. When complete - click this button to add this design to the MIX DESIGN LIST. This design will then be available on the pull-down list on the NEW REPORTS screen.</p> |
|--|--|

## MIX DESIGN LIST

**Asphalt Mix Designs**

MIX NUMBER	PRODUCER	MIX TYPE	OIL GRADE	OIL BRAND	% AC	% AY	VMA	M <sub>max</sub>	G <sub>mm</sub>	VMA Corr Fact.	G <sub>sb</sub>	G <sub>se</sub>	G
HM175-07	APAC-TENN - FORREST CITY	ACHM Surface Course 12.5mm	PG 67-22	ERGON	5.4	4.5	14.9	115	2.405	1.6	2.552	2.601	1.0
HM125-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	ACHM Surface Course 12.5mm	PG 64-22	LION	5.8	4.5	15.7	115	2.406	1.7	2.569	2.619	1.0
HM118-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	ACHM Binder Course 25.0mm	PG 64-22	LION	4.2	4.5	13.2	115	2.459	0.9	2.588	2.619	1.0
HM130-06	Kiewit Southern Company - SONORA, AR	ACHM Surface Course 12.5mm	PG 64-22	SINCLAIR	5.1	4.5	14.8	115	2.448	1.4	2.606	2.647	1.0
HM106-06	CRANFORD-Crystal Hill Plant #4 - NORTH LITTLE ROCK, AR.	ACHM Surface Course 12.5mm	PG 70-22	LION	4.9	4.5	14.6	160	2.432	1.0	2.581	2.616	1.0
HM216-05	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.	ACHM Surface Course 12.5mm	PG 70-22	LION	5.1	4.5	14.9	160	2.419	1.1	2.581	2.609	1.0
HM434-04	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.	ACHM Surface Course 12.5mm	PG 64-22	LION	5.1	4.5	15.0	115	2.427	0.9	2.593	2.617	1.0
HM303-04	CRANFORD(DRUM) - LITTLE ROCK, AR	ACHM Surface Course 12.5mm	PG 76-22	LION	5.1	4.0	15.0	205	2.420	0.5	2.602	2.609	1.0
HM398-03	ROGERS GROUP, INC. - GREENBRIER, AR.	ACHM Surface Course 12.5mm	PG 64-22	LION	5.3	4.5	15.5	115	2.465	1.1	2.637	2.672	1.0

1. A list of Mix Designs that were created from the NEW MIX DESIGN screen. Cannot enter or correct a design directly on this screen - go to "Add New Design" or "Edit a Design" for additions or corrections.
2. You may sort this list by different fields by clicking one of these buttons.
3. Click one of these buttons to see a different screen. See the help for that particular screen.
4. Navigation arrow - click this arrows to move you to the end of this list.

## MIX DESIGN LIST



### - Delete a Mix Design

<b>START Screen</b>		<b>MENU</b>			
<b>BEGIN A NEW REPORT</b>		<b>Add New Design</b>			
		<b>Edit a Design</b>			
				<span style="background-color: black; color: white; padding: 5px 15px; cursor: pointer;">← OVER</span> <b>Delete Marked Designs</b>	

MIX NUMBER	PRODUCER	COLD FEED NO. 7			MINERAL FILLER		DELETE	DESIGN VERIFY DATE
		AGGREGATE	SOURCE	Z	SOURCE	Z		
HMI75-07	APAC-TENN - FORREST CITY		-		-			7/1/2008
HMI25-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.		-		-			
HMI18-07	BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.	0	-	0	-	0.0	X	5/2/2008
HMI30-06	Kiewit Southern Company - SONORA, AR		-		-			7/8/2008
HMI06-06	CRANFORD-Crystal Hill Plant #4 - NORTH LITTLE ROCK, AR.		-		-			8/8/2008
HM216-05	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.		-		-			8/14/2008
HM434-04	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.		-		-			9/25/2008
HM303-04	CRANFORD(DRUM) - LITTLE ROCK, AR		-		-			10/10/2008
HM398-03	ROGERS GROUP, INC. - GREENBRIER, AR.		-		-			7/23/2008

Taskbar at bottom shows: start button, task icons, system tray showing date/time 9:14 AM.

1. Click this button to delete the designs marked in the "Delete" column 
  2. Input the Design Verification Date on the NEW MIX DESIGN screen - you may change this on the EDIT MIX DESIGN screen.
  3. Type an "X" in this column or any other character to designate the design you would like to delete. The marked row background will change to a red color on the design marked for deletion. Click the "Delete Marked Files" button  to delete from the list.  
To unselect a design marked in red for deletion - hit the <delete> button on your keyboard to clear the symbol in the "Delete" column.

# EDIT MIX DESIGN SCREEN

## EDIT A MIX DESIGN

Mix Design Number	Producer	Mixture Type

**MIX DESIGN VERIFIED (DATE)**

**Asphalt Binder Information**

Grade	Brand	Optimum Percent

**Mixture Properties**

Air Void - Percent	
V.M.A. - Percent	
Nmax	
Max. Theor. Sp. Gravity (Gmm)	
V.M.A. Correction Factor	
Gsb	
Gse	
Gb	
Antistrip - Brand	
Antistrip - Percent	

**COLD FEED INFORMATION**

Agg. Number	Aggregate Type	Source - Location	Agg. I.D.	Percent
1				
2				
3				
4				
5				
6				
7				
Mineral Filler				

**Menu**

**Mix Design List**

**START Screen**

**Begin a New Report**

**ADD CORRECTED DESIGN**

Sieve Size	Job Mix
50	2"
37.5	1-1/2"
25	1"
19	3/4"
12.5	1/2"
9.5	3/8"
4.75	# 4
2.36	# 8
1.18	# 16
0.6	#30
0.3	#50
0.15	#100
0.075	#200

\* Required Field



- 1.** Choose the Mix Design you wish to edit from the pull-down list. When a design is selected - data from the MIX DESIGN LIST will be filled in automatically on this screen. Chose the cell you wish to edit and make the correction. After all corrections are made - click the "Add Corrected Design" 3 button to place corrections on the MIX DESIGN LIST.

Can also use this screen to check design properties of your Mix Designs. Simply choose the Mix Design you wish to view from the pull-down list.

**2.** To leave this screen without making any corrections - click one of these buttons.

---

**3.** When all corrections have been made - click this button to make correction to the design on the MIX DESIGN LIST.



## MENU SCREEN

**Arkansas State Highway and Transportation Department**  
**Asphalt Plant Inspector's Workbook**  
 Contractor Version 03.01.2009 for Microsoft EXCEL for Windows  
 MENU SCREEN

C:\ACHMJobs\	050163\050163_12.5mm_Lot_1.xls
Sample I.D.	08HNJC2360\0802
Date Reported	NOT REPORTED
Mix Design No.	HM398-03
Lot / Sublot	1
Job Number	050163
Job Name	Branch Of Catron Creek STRS.& APPRS.(S) NON
County	White
M.A. Quantity	2130.8
A.B. Quantity	119.25
Material Type	ACHM Surface Course 12.5mm
Producer	ROGERS GROUP, LLC. - GREENBRIER, AR.

**PRINT A REPORT**

AHTD REPORT  
 VOLUME TRICS  
 GRADATION

SUMMARY  
 MIX DESIGN LIST  
 REPORT LIST

START SCREEN  
 BEGIN A NEW REPORT

SAVE TO LOCAL DRIVE  
 EXIT

HELP

1. Check your version number - your data will not be uploaded by the Inspector if you do not have the most current version.
2. All areas in gray will be filled in automatically based on the information you entered on the NEW REPORT SCREEN.
3. No need to delete a subplot number here if the Lot has less than 4 subplot tests.
4. Yellow buttons will take you to a specific screen to allow you to enter/view Report data or work with a Mix Design.
5. Click this button to save this file. File will be saved as C:\ArkansasACHM.xls
6. Click the printer icon to select a different printer. To change your printer - highlight a printer and click "OK".
7. Click an Orange button to send a report to your printer.
8. Blue buttons will send you back to the START SCREEN or the NEW REPORT SCREEN.
9. Little bit of Help, with a link to this USER GUIDE.

## CURRENT MIX DESIGN SCREEN

**1** CURRENT MIX DESIGN IN USE

Job #: SA0548 Job Name: Boone County Surface #6 Lot #: 2 Mix #: HM200-08

<b>AHTD Mix Design Number</b>	HM200-08									
<b>Mix Type</b>	ACHM Surface Course 12.5mm									
<b>Mix Design Verified (Date)</b>	10/9/2008									
<b>Asphalt Binder Brand</b>	APAC-Mo.									
<b>Asphalt Binder Grade</b>	PG 64-22									
<b>Optimum Percent Asphalt Binder</b>	5.1	<b>Tolerances</b> <table border="1"> <tr> <th>Min</th> <th>Max</th> </tr> <tr> <td>4.8</td> <td>5.4</td> </tr> <tr> <td>3.0</td> <td>5.0</td> </tr> <tr> <td>13.5</td> <td>16.0</td> </tr> </table>	Min	Max	4.8	5.4	3.0	5.0	13.5	16.0
Min	Max									
4.8	5.4									
3.0	5.0									
13.5	16.0									
<b>Air Voids</b>	4.5									
<b>V.M.A.</b>	15.1									
<b>Nmax</b>	115									
<b>Max. Theor. Sp. Gr. (Gmm)</b>	2.483									
<b>VMA Correction Factor</b>	1.2									
<b>Gsb</b>	2.650									
<b>Gse</b>	2.687									
<b>Gb</b>	1.028									
<b>Antistrip Brand</b>	n/a									
<b>Antistrip Percent</b>										

Cold Feed #	Aggregate	Source - Location	Aggregate I.D.	Cold Feed Pct.
1	5/8" SS	ROGERS GROUP - Reynolds Quarry		26
2	1/2" LS	McClinton Anchor - Valley Springs		34
3	CRS. LIME	McClinton Anchor - Valley Springs		16
4	MAN. SAND	McClinton Anchor - Valley Springs		14
5	1/4" IND. SAND	ROGERS GROUP - Reynolds Quarry		10
6		-		
7		-		
<b>Mineral Filler</b>				
TOTAL				100

**2** **3**

**MIX DESIGN LIST**

start UsersGuide.doc - Micr... Microsoft Excel - Arka... 9:01 AM

1. This sheet will display the Mix Design properties for the Material and Lot you have open.
2. Mix verification date may be input on the NEW MIX DESIGN screen or may be changed at any time on the EDIT MIX DESIGN screen.
3. Tolerances / Lot Compliance Limits will be shown for the Mix Type selected.

# AHTD REPORT

ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT MATERIALS DIVISION														M-369	
REPORT OF INSPECTION AT ASPHALT PLANT															
JOB NO. <b>S10610</b>		REPORT NO. <b>1</b>		TYPE OF MATERIAL <b>ACHM Surface Course 12.5mm</b>		MIX NO. <b>HM434-04</b>		DATE <b>3/11/2009</b>							
JOB NAME <b>HWY. 31 - NORTH (OVERLAY) (S)</b>															
LOT NUMBER <b>1</b>		SAMPLE I.D. <b>06JETC227080005</b>		PLANT NAME / LOCATION <b>CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.</b>											

MATERIAL	SOURCE	ACTUAL COLD FEED %	DESIGN COLD FEED %
3/4" ASPHALT	GMQ - SWEET HOME, AR	45	45
1/2" ASPHALT	GMQ - SWEET HOME, AR	25	25
IND. SAND	GMQ - SWEET HOME, AR	20	20
DONNAFILL	3M CORP. - LITTLE ROCK, AR	10	10
	-		
	-		
	-		
MINERAL FILLER:	-		
ANTISTRIP:	N/A		
ASPHALT (AB):	MFR: LION	GRADE:	PG 64-22

AMOUNT REPRESENTED		
THIS REPORT:	<b>3000</b>	TONS
PREVIOUS:	<b>0</b>	TONS
TOTAL TO DATE:	<b>3000</b>	TONS

TEMPERATURE ANALYSIS		
	LOW	HIGH
BINDER	<b>305°</b> / <b>315°</b>	
MIX	<b>315°</b> / <b>325°</b>	

ACCEPTANCE TESTS	CONTRACTOR TESTS				CONTR. SUBLT AVERAGE	AHTD TEST	VERIFICATION		LOT AVG.	JOB MIX	LOT COMPLIANCE LIMITS		LOT STATUS
	SUBLT1	SUBLT2	SUBLT3	SUBLT4			RANGE + / -	COMPLY			MIN.	MAX.	
DATE SAMPLED	9/25/08	9/26/08	9/26/08	9/27/08		9/26/08							
Percent Air Voids	3.2	3.7	3.4	4.0	3.6	4.7	1.0	<b>NO</b>	<b>3.8</b>	4.5	3.0	5.0	<b>PASS</b>
Voids in Min. Agg.	13.9	13.9	13.6	14.2	13.9	14.9	1.0	<b>YES</b>	<b>14.1</b>	15.0	13.5	16.0	<b>PASS</b>
Percent Asphalt Binder	5.1	4.9	4.9	4.9	5.0	4.9	0.3	<b>YES</b>	<b>4.9</b>	5.1	4.8	5.4	<b>PASS</b>
Percent Compaction	92.6	92.9	93.1	92.3	92.7	93.1	2.0	<b>YES</b>	<b>92.8</b>		92.0	96.0	<b>PASS</b>
Specific Gravity of Mix	2.416	2.424	2.414	2.430	2.421	2.444	0.019	<b>NO</b>	<b>2.426</b>				
Sublot in Compliance (Yes / No)	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	---	<b>YES</b>							
Moisture in Mix	0.05	0.04	0.04	0.03	---	0.04							
Q.C. Grad. Complies (Yes / No)	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>									
Witnessed By (Initial)	<b>GT</b>	<b>NO</b>	<b>GT</b>	<b>NO</b>									
Split Sample (Yes / No)	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>		9/25/2008		Design Verified (Date)					

SAMPLED FROM			DENSITY	
Sublot	Truck No.	Tons	Station	Location
1	5	100	63+38	RT. SHLDR.
2	10	1046	200+60	RT. SHLDR.
3	35	1546	233+80	LT. SHLDR.
4	20	2681	72+05	LT. SHLDR.
AHTD Sublot				
2	15	1146	233+80	LT. SHLDR.

TEST METHODS:	REMARKS
AASHTO T 30, AHTD 460, AASHTO T 308, AASHTO T 269, AHTD 449/ 449A, AHTD 455A AHTD 464, AASHTO T 166 or AHTD 461, AASHTO T 209, AASHTO MP2, AASHTO T 312	

INSPECTOR / Cert. No. **#1559**

RESIDENT ENGINEER

**3** UP TO TOP

**5**

**6**

- |  |  |
|--|--|
| 1. Enter Data in the WHITE cells - all others will be populated from other sheets.               | 4. This date can be change on the EDITMIX DESIGN screen. |
| 2. Cell values will be RED if greater that 5 points from design or greater that 10 points total. | 5. Any remarks may be noted in this area.                |
| 3. Navigation buttons that will take you to a different area of this screen.                     | 6. Input CTPP number in this cell.                       |



# VOLUMETRICS SCREEN

## - Sample Info and Binder Content

**SUPERPAVE MIXTURE PROPERTIES**

JOB #: **050163**    JOB NAME: **Branch Of Cadron Creek STRS.& APPRS.(S) NON SM**

LOT NO. **1**  
 MIX NO. **HM398-03**

MIX TYPE **ACHM Surface Course 12.5mm**  
**SAMPLING Information - AASHTO T 168**  
 Truck number sampled  
 Tons **Today** at truck sampled  
 Total **Tons To Date** at sample

CONTRACTOR TESTS				AHTD TEST
1	2	3		2
08/08/08	09/18/08	09/22/08		09/18/08
1725	46	1725		1763
105.64	188.00	153.00		326.00
106	1242	1950		1380

RICE

BULKS

CORE

PRINT REPORT

MENU

GRADATION

TECHNICIANS

LOOSE MIX

MIX DESIGN

AHTD REPORT

**ASPHALT BINDER CONTENT**  
 Technician **ER 1168    JL 1478    JL 1478    KL 1224**  
**Nuclear Method - AHTD 449/449A**  
 Sample weight (grams)  
 Background  
 Counts  
 Gauge Percent Binder (Pb)  
**Ignition Oven - AASHTO T 308**  
 Sample weight (grams)  
 Gauge Percent Binder (Pb)  
**Moisture Correction - Nuclear or Ignition Oven**  
 Weight of pan  
 Weight of sample + pan  
 Dry weight of sample + pan  
 Moisture percent  
**REPORTED ASPHALT BINDER PERCENT**

6755	6755	6755	6755
2184	2184	2183	2196
3057	3048	3051	3031
5.42	5.39	5.40	5.43

**Sublot Reports**  

SUBLOT 1

SUBLOT 2

SUBLOT 3

SUBLOT 4

ASPHALT BINDER content can be tested by either the Nuclear Method or the Ignition Oven Method. If the Ignition Oven is used, do not enter any information for the Nuclear Method.

LOT COMPLIANCE		SUBLOT REJECT.	
5.0	5.6	≤ 4.5	≥ 6.1

1. Will automatically input the subplot number when the date sampled is entered. If subplot number is still blank after date is entered - make sure subplot numbers are entered on the MENU screen (see MENU screen 2).  
You may use the pull-down arrow to choose the subplot in which the AHTD Volumetric tests were sampled.
2. Enter the Daily tons at the time sample was taken. Usually can get this from the trucker's ticket.
3. Total Job tonnage at the time sample was taken.  
  
Example:
  - 3103.73 Tons at the start of the day.
  - 346.27 Tons today at time of sample.
  - = 3450 Tons to Date at sample.
4. If the Technician information has been entered on the TECHNICIANS screen then you may use the pull-down arrow to choose the Technician performing the test. May also type in this cell if preferred.
5. Enter the Percent Binder test information in this area. May input Nuclear or Ignition Oven method - if both are entered the Nuclear Method will take precedent.
6. Moisture Correction data - if pan is tarred before sample is weighed - input zero (0.0) in the Weight of Pan area.
7. Navigation buttons that will take you to a different area of this screen.
8. Will show the Lot Compliance and Sublot Rejection Limits for the Mix Type chosen. Reported Binder Percent cell format will be -
  - **BROWN** if not within Lot Compliance Limits.
  - **RED** if outside Sublot Rejection limits.

## - Gmm & Gmb (Rice and Bulk Specific Gravity)

DENSITY- Maximum Theoretical - AASHTO T 209					
RICE # 1					
Technician	JH 2495	JH 2495	JH 2495	JH 2495	GT 1559
(A) = Weight of bucket in air	2170.8	2171.8	2170.8	2171.8	2301.0
(B) = Weight of bucket + sample	4221.9	4299.7	4343.5	4305.5	4301.0
(C) = Weight of sample (B-A)	2051.1	2127.9	2172.7	2133.7	2000.0
(D) = Weight of bucket + sample in water	2570.4	2618.2	2641.0	2624.0	2631.6
(E) = Weight of bucket in water	1368.3	1368.3	1368.3	1368.3	1451.1
(F) = Weight of sample in water (D-E)	1202.1	1249.9	1272.7	1255.7	1180.5
(G) = Weight of sample - Weight of sample in water	849.0	878.0	900.0	878.0	819.5
Gmm = Maximum Specific Gravity = (C / G)	2.416	2.424	2.414	2.430	2.441
RICE #2					
(A) = Weight of bucket in air					2301.0
(B) = Weight of bucket + sample					4301.7
(C) = Weight of sample (B-A)					2000.7
(D) = Weight of bucket + sample in water					2633.7
(E) = Weight of bucket in water					1451.1
(F) = Weight of sample in water (D-E)					1182.6
(G) = Weight of sample - Weight of sample in water					818.1
Gmm = Maximum Specific Gravity = (C / G)					2.446
<b>AVERAGE Gmm</b>	2.416	2.424	2.414	2.430	2.444
Bulk Specific Gravity - AASHTO T 166					
Technician	JH 2495	JH 2495	JH 2495	JH 2495	GT 1559
Molding Temperature	295*	295*	295*	295*	295*
(A) = Weight of sample in air	4698.5	4696.6	4704.7	4701.2	4701.2
(B) = Weight of sample in water	2694.8	2687.7	2691.8	2692.3	2688.0
(C) = Weight of surface dry sample	4701.9	4704.2	4709.9	4706.2	4707.3
Percent Water Absorbed	0.2%	0.4%	0.3%	0.2%	0.3%
Gmb = Bulk Specific Gravity = A / (C-B)	2.341	2.329	2.331	2.334	2.328
(A) = Weight of sample in air	4692.5	4702.4	4690.1	4714.3	4699.2
(B) = Weight of sample in water	2690.5	2695.8	2687.4	2697.3	2690.4
(C) = Weight of surface dry sample	4698.4	4705.3	4697.5	4720.1	4707.1
Percent Water Absorbed	0.3%	0.1%	0.4%	0.3%	0.4%
Gmb = Bulk Specific Gravity = A / (C-B)	2.337	2.340	2.333	2.331	2.330
<b>AVERAGE Gmb</b>	2.339	2.335	2.332	2.333	2.329

1

2

3

4

5

6

UP TO TOP

One or two Rice's can be run for this test. If only one Rice is run, enter these values in the Rice #1 area. The spreadsheet will use the one value only for use in calculations.

BULK SPEC. 1

BULK SPEC. 2

- |  |  |
|--|--|
| <p><b>1.</b> Input Gmm test data in this area. If bucket is tared before sample is weighed - enter zero (0.0) as value (A) Weight of bucket in air. If value (C) (Weight of sample) is below minimum sample weight - cell format will turn <b>RED</b>.</p> <p><b>2.</b> If a second Rice sample is needed / tested - i.e. to obtain minimum sample weight on ACHM Base - input information in this area. If only one Rice test is performed, it must be entered in the "Rice #1" area.</p> | <p><b>3.</b> Average Gmm displayed and input on AHTD REPORT screen</p> <p><b>4.</b> Input Bulk Specific Gravity test results from the Gyratory specimens in this area.</p> <p><b>5.</b> Average Gmb is displayed and input on AHTD REPORT screen.</p> <p><b>6.</b> Navigation buttons that will take you to a different area of this screen.</p> |
|--|--|



## - Volumetric Properties and Density

Volumetric Properties - AASHTO T269, AHTD 464					
Binder Specific Gravity from Mix Design or Tickets	Mix Design	Mix Design	Mix Design	Mix Design	Mix Design
Gb = Specific Gravity of the binder	1.031	1.031	1.031	1.031	1.031
VMA Correction Factor (from Mix Design)	0.9	0.9	0.9	0.9	0.9
Gsb = Bulk Specific Gravity of aggregate	2.593	2.593	2.593	2.593	2.593
(A) = Gmm (FIELD)	2.416	2.424	2.414	2.430	2.444
(B) = Gmb (FIELD) (Avg.)	2.339	2.335	2.332	2.333	2.329
(C) = Gse (Calculated)	2.604	2.605	2.593	2.613	2.630
(D) = Ps = Percent aggregate in mix	94.9	95.1	95.1	95.1	95.1
VMA effective = $100 - (B \times D / C)$	14.8	14.8	14.5	15.1	15.8
VMA Actual	13.9	13.9	13.6	14.2	14.9
(Va) Air Voids = $100 \times ((A - B) / A)$	3.2	3.7	3.4	4.0	4.7
VFA = $(VMA - Va) / VMA$	77.0	73.4	75.0	71.8	68.5
(Pba) Percent Absorbed Asphalt	0.2	0.2	0.0	0.3	0.6
(Pbe) Percent Effective Asphalt	4.9	4.7	4.9	4.6	4.3

Field Density - AASHTO T 166					
Technician	JH 2495	JH 2495	JH 2495	JH 2495	GT 1559
Sublot number	1	2	3	4	2
SPECIFICATION: NORMAL / 90% MIN. / LEVELING	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
STATION	63+38	200+60	233+80	72+05	233+80
LOCATION	RT. SHLDR.	RT. SHLDR.	LT. SHLDR.	LT. SHLDR.	LT. SHLDR.
Thickness (inches)	2 1/4	2	2	2	2
(A) = Weight of sample in air	2021.5	1931.6	1932.9	1943.6	1928.3
(B) = Weight in water	1121.5	1075.6	1075.4	1082.0	1081.8
(C) = Weight SSD	2024.6	1933.6	1935.1	1948.6	1929.5
Gmb = Bulk Specific Gravity of core	2.238	2.251	2.248	2.243	2.275
Gmm = Max. Specific Gravity (T209)	2.416	2.424	2.414	2.430	2.444
Water Absorbed percent	0.3%	0.2%	0.3%	0.6%	0.1%
% COMPACTION OF CORE = $100 \times (Gmb / Gmm)$	92.6	92.9	93.1	92.3	93.1
AASHTO T 275 (Paraffin) Method	N/A	N/A	N/A	N/A	N/A
(F) = Specific Gravity of the paraffin					
(A) = Weight of sample in air					
(D) = Weight of sample + paraffin coating in air					
(E) = Weight of sample + paraffin coating in water					
Gmb = Bulk Specific Gravity of core					
COMPACTION OF CORE (Pct.) = $100 \times (Gmb / Gmm)$	92.6	92.9	93.1	92.3	93.1
Is Sublot / AHTD Lot In Rejection?	NO	NO	NO	NO	NO

LOT COMPLIANCE		SUBLOT REJECT.	
13.5	16.0	≤ 12.4	≥ 17.1
3.0	5.0	≤ 1.9	≥ 6.1

MENU				
GRADATION				
TECHNICIANS				
LOOSE MIX				
MIX DESIGN				
AHTD REPORT				

LOT COMPLIANCE		SUBLOT REJECT.	
92.0	96.0	≤ 89.9	≥ 98.1

- Use the pull-down arrow to choose the Gb you wish to use.
  - "Mix Design" will input the Gb from your MIX DESIGN LIST.
  - "Tickets" will pull the value from the Binder Information on the AHTD REPORT screen.
- Percent Air Voids and VMA are computed and displayed in this area. Values are input on AHTD REPORT screen.
- Input sublot in which the AHTD core sample was taken.
- Use the pull-down to choose the Density Specification for each sublot tested. Material with different density 90% and 92% specification requirements will need to be broken into separate Lots.
- Percent Compaction of the core will be computed and displayed in this area. If the Percent Water Absorbed is greater than 2% this area will not be displayed - Paraffin Method is required (see AASHTO T166).
- Input the Specific Gravity of the paraffin you are using.
- Input test data from Paraffin Method if required in this area.
- Percent Compaction of the core is displayed and input on AHTD REPORT screen.
- Will show the Lot Compliance and Sublot Rejection Limits for the Mix Type chosen. Computed Test Result cell format will be -
  - BROWN** if not within Lot Compliance Limits.
  - RED** if outside Sublot Rejection limits.

## - Additional Cores if Failure

FOR ADDITIONAL CORES IF INITIAL SUBLOT CORE FAILS				
Did AHTD core fail in this Sublot	1	NO	YES	NO
Additional cores required in this Sublot				
<b>ADDITIONAL CORE NUMBER 1</b>				
STATION				
LOCATION	2			
Thickness (inches)				
(A) = Weight of sample in air				
(B) = Weight in water				
(C) = Weight SSD				
Gmb = Bulk Specific Gravity of core				
Gmm = Max. Specific Gravity (T209)				
<b>COMPACTION OF CORE (Pct.) = 100 x (Gmb / Gmm)</b>				
<b>ADDITIONAL CORE NUMBER 2</b>				
STATION				
LOCATION	3			
Thickness (inches)				
(A) = Weight of sample in air				
(B) = Weight in water				
(C) = Weight SSD				
Gmb = Bulk Specific Gravity of core				
Gmm = Max. Specific Gravity (T209)				
<b>COMPACTION OF CORE (Pct.) = 100 x (Gmb / Gmm)</b>				
<b>ACTUAL SUBLOT RESULTS AFTER RETESTS (IF ANY)</b>		N/A		4
5				
SUBLOT NUMBER	1	2	3	AHTD
PERCENT AIR VOIDS	3.7	3.7	3.6	3.1
IS SUBLOT/AHTD LOT IN REJECTION?	NO	NO	NO	NO
AVERAGED SUBLOT RESULTS	3.7	3.7	3.6	3.1
AHTD TEST USED FOR SUBLOT AVERAGE?	0	0	0	0
REPORTED AIR VOIDS	3.7	3.7	3.6	3.1

- |   |   |
|---|---|
| 1. Will display the number of additional cores are required for acceptance in this subplot (if any). If original core was in Sublot Rejection - additional cores will be required. <b>AHTD will test all additional cores needed.</b> | 4. Will display final Core results after any required retests. If AHTD test was used in the average to determine acceptance of the subplot - "Averaged" will be displayed in the AHTD column. |
| 2. AHTD will input test results from Additional Core #1 in this area (if required).   | 5. Area below will determine reported values for Air Voids, VMA and Percent Binder. "Averaged" will be displayed in the AHTD column if the AHTD test was used for subplot acceptance.         |
| 3. AHTD will input test results from Additional Core #2 in this area (if required).   |   |

# - After Contractor Data Upload

## SUPERPAVE MIXTURE PROPERTIES

JOB #: **050163**      JOB NAME: **Branch Of Cadron Creek STRS.& APPRS.(S) NON SM**

MIX TYPE: **ACHM Surface Course 12.5mm**

LOT NO.: **1**

MIX NO.: **HM398-03**

**SAMPLING Information - AASHTO T 168**

	CONTRACTOR TESTS				AHTD TEST
Sublots	1	2	3		2
Date	08/08/08	09/18/08	09/22/08		09/18/08
Truck number sampled	1725	46	1725		1763
Tons Today at truck sampled	105.6	88.00	153.00		326.00
Total Tons To Date at sample	106	1242	1950		1380

RICE

MENU

BULKS

GRADATION

CORE

TECHNICIANS

PRINT REPORT

AHTD REPORT

**ASPHALT BINDER CONTENT**

Technician	ER 1168	JL 1478	JL 1478		KL 1224
<b>Nuclear Method - AHTD 449/449A</b>					
Sample weight (grams)	6755	6755	6755		6755
Background	2184	2184	2183		2196
Counts	3057	3048	3051		3031
Gauge Percent Binder (Pb)	5.42	5.39	5.40		5.43
<b>Ignition Oven - AASHTO T 308</b>					
Sample weight (grams)					
Gauge Percent Binder (Pb)					
<b>Moisture Correction - Nuclear or Ignition Oven</b>					
Weight of pan	343.4	331.2	331.8		192.2
Weight of sample + pan	1538.3	1846.9	1985.4		1223.7
Dry weight of sample + pan	1537.7	1846.0	1985.0		1223.0
Moisture percent	0.05	0.06	0.02		0.07
<b>REPORTED ASPHALT BINDER PERCENT</b>	<b>5.4</b>	<b>5.3</b>	<b>5.4</b>		<b>5.4</b>

**DENSITY - Maximum Theoretical - AASHTO T 209**

	ER 1168	ER 1168	JL 1478		KL 1224
Technician					
(A) = Weight of bucket in air	2501.0	2501.4	2500.4		2499.3
(B) = Weight of bucket + sample	4627.7	4496.1	4591.4		5481.4
(C) = Weight of sample (B-A)	2126.7	1994.7	2091.0		2982.1
(D) = Weight of bucket + sample in water	2840.0	2758.0	2817.4		3345.0
(E) = Weight of bucket in water	1579.9	1579.9	1579.9		1575.8
(F) = Weight of sample in water (D-E)	1260.1	1178.1	1237.5		1769.2
(G) = Weight of sample - Weight of sample in water	866.6	816.6	853.5		1212.9
Gmm = Maximum Specific Gravity = (C / G)	2.454	2.443	2.450		2.459

**Sublot Reports**


AHTD TEST

ASPHALT BINDER content can be tested by either the Nuclear Method or the Ignition Oven Method. If the Ignition Oven is used, do not enter any information for the Nuclear Method.

LOT COMPLIANCE		SUBLOT REJECT.	
5.0	5.6	≤ 4.5	≥ 6.1

- 1.** After the AHTD Inspector has uploaded your data, this area will be locked in their Workbook and will be unable to edit your data. To change or add additional subplot data, you will need to copy or e-mail your data file.
- 2.** The AHTD data area will remain unchanged when the Contractor's data is uploaded.

## Contractor Sublot Report

 <div style="display: inline-block; vertical-align: middle;"> <b>XYZ Testing Service</b>          121 North Black Hills Drive          Little Rock, AR. 72837          C.T.T.P. Laboratory Number <u>901400-B</u> </div> <div style="display: inline-block; vertical-align: middle; margin-left: 20px;"> <b>ACCEPTANCE REPORT FOR ACHM</b>          Quantity Represented <u>1050</u> Tons       </div>		<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">1</div> <div style="border: 2px solid blue; padding: 5px; margin-bottom: 5px; background-color: yellow;">Menu</div> <div style="border: 2px solid blue; padding: 5px; margin-bottom: 5px; background-color: yellow;">Volumetrics</div> <div style="border: 2px solid red; padding: 5px; margin-bottom: 5px; background-color: yellow;">Sublot 2</div> <div style="border: 2px solid red; padding: 5px; margin-bottom: 5px; background-color: yellow;">Sublot 3</div> <div style="border: 2px solid red; padding: 5px; margin-bottom: 5px; background-color: yellow;">Sublot 4</div> <div style="border: 2px solid blue; padding: 5px; background-color: orange;">Print Sublot Report</div>
<div style="display: flex; justify-content: space-between;"> <div> <b>SAMPLE INFORMATION</b>          Job Number <u>060980</u> Mix Type <u>ACHM Binder Course 25.0mm</u> Lot No. <u>3</u> Sublot <u>1</u> Date <u>5/5/2008</u>          Mix Number <u>HM118-07</u> Truck No. Sampled <u>34</u> Tons Today at sample <u>234.56</u> Tons To Date at sample <u>235</u> </div> <div>         Asphalt Plant <u>BLACKSTONE CONSTRUCTION, LLC - RUSSELLVILLE, AR.</u> </div> </div>		
<b>ASPHALT BINDER CONTENT</b> Signature <u>Steve Pennington</u> Technician's Title <u>Dist. Mat'l's Super.</u> C.T.T.P. # <u>1044</u> <u>NUCLEAR METHOD AHTD 449 / 449A</u> Sample weight (grams) <u>6500</u> Background <u>2212</u> Counts <u>2908</u> Gauge Percent Binder (Pb) <u>4.20</u> <u>IGNITION OVEN - AASHTO T 308</u> Sample weight (grams) _____ Gauge Percent Binder (Pb) _____ <u>MOISTURE CORRECTION - Nuclear or Ignition Oven</u> Weight of pan <u>303.1</u> Weight of sample + pan <u>2243.5</u> Dry weight of sample + pan <u>2242.9</u> Moisture percent <u>0.03</u> <b>REPORTED ASPHALT BINDER PERCENT</b> <u>4.2</u> Lot Compliance Limits <u>3.9 - 4.5</u> Sublot Rejection Limits <u>≤ 3.4 - ≥ 5</u> <b>PASS</b>	<b>MAXIMUM THEORETICAL DENSITY - AASHTO T 209</b> Signature <u>Steve Pennington</u> Technician's Title <u>Dist. Mat'l's Super.</u> C.T.T.P. # <u>1044</u> <div style="display: flex; justify-content: space-around;"> <div> <u>Rice 1</u>          Wt. of bucket in air <u>2156.9</u>          Wt. of bucket + sample <u>4896.2</u>          Wt. of sample <u>2739.3</u>          Wt. of bucket + sample in water <u>2983.8</u>          Weight of bucket in water <u>1361.3</u>          Gmm = Maximum Specific Gravity <u>2.453</u> </div> <div> <u>Rice 2</u>          _____          _____          _____          _____          _____          _____       </div> </div> <b>AVERAGE MAXIMUM SPECIFIC GRAVITY (Gmm)</b> <u>2.453</u>	
<b>VOLUMETRIC PROPERTIES - AASHTO T269, AHTD 464</b> Binder Specific Gravity from <u>Mix Design</u> Gb = Binder Specific Gravity <u>1.026</u> VMA Correction Factor <u>0.9</u> Gsb = Aggregate Bulk Sp. Gravity <u>2.588</u> (C) = Gse (Calculated) <u>2.612</u> (D) = Ps = Percent aggregate in mix <u>95.8</u> VMA effective = 100 - (B X D / C) <u>13.9</u> <b>VMA ACTUAL</b> <u>13.0</u> <b>PASS</b>	<b>BULK SPECIFIC GRAVITY - AASHTO T 166</b> Signature <u>Steve Pennington</u> Technician's Title <u>Dist. Mat'l's Super.</u> C.T.T.P. # <u>1044</u> Molding Temperature <u>293°</u> <div style="display: flex; justify-content: space-around;"> <div> <u>Bulk 1</u>          Weight of sample in air <u>4710.3</u>          Weight of sample in water <u>2739.9</u>          Weight of surface dry sample <u>4747.5</u>          Percent Water Absorbed <u>1.9%</u>          Gmb = Bulk Specific Gravity <u>2.346</u> </div> <div> <u>Bulk 2</u>  <u>4708.0</u>  <u>2736.9</u>  <u>4741.2</u>  <u>1.7%</u>  <u>2.349</u> </div> </div> <b>AVERAGE BULK SPECIFIC GRAVITY (Gmb)</b> <u>2.348</u>	
<b>AGGREGATE GRADATION - AASHTO T30</b> <div style="display: flex; justify-content: space-around;"> <div>         Weight Before Washing <u>2178.4</u>          Aggregate Weight <u>2086.9</u>          Washed Weight <u>1986.7</u> </div> <div> <b>SOLVENT WASHED</b>  <b>AHTD 460</b>          _____          _____          _____       </div> </div>		

- |  |   |
|--|---|
| <p>1. Input your Company Name and Mailing Address in this area. You will need to input this information on all four subplot reports.</p> | <p>3. Click here to open another Sublot Report.</p>             |
| <p>2. All data entered on the VOLUMETRIC screen will be displayed on this screen. No input is required on the page.</p>                  | <p>4. Will send the visible subplot report to your printer.</p> |



## GRADATION SCREEN

Job No. **S10610** Job Name **HWY. 31 - NORTH (OVERLAY) (S)** Lot No. **1**  
 Mix Type **ACHM Surface Course 12.5mm** Mix No. **HM434-04**

Weight Before Washing	<b>1</b>	1726.2	grams
Aggregate Weight	<b>2</b>	1638.2	
Washed Weight	<b>3</b>	1543.6	

Method Used to Remove Asphalt	
<b>6</b>	Solvent Washed <input checked="" type="checkbox"/> X
	Ignition Oven <input type="checkbox"/>

Lot Number		<b>1</b>	Sublot Number		<b>1</b>
Sieve Size	Wt. Retained	Percent Passing	Job Mix	Difference	Tolerance (+/-)
50	2"	<b>4</b> 0.0	<b>5</b> 100	0	
37.5	1-1/2"	0.0	100	0	
25	1"	0.0	100	0	7
19	3/4"	0.0	100	0	7
12.5	1/2"	103.7	94	-1	7
9.5	3/8"	216.5	87	0	
4.75	#4	569.2	65	0	7
2.36	#8	895.1	45	0	7
1.18	#16	1056.9	35	-1	4
0.6	#30	1265.9	23	1	4
0.3	#50	1411.4	14	1	4
0.15	#100	1523.2	7	2	4
0.075	#200	1543.6	5.8	-0.2	
Fines to Asphalt Ratio		1.18	Tolerance	Low	0.6
			High	1.6	YES

**7** SUBLOT 2 MENU

SUBLOT 3 VOLUMETRICS

SUBLOT 4 LOOSE MIX

TECHNICIANS

MIX DESIGN

AHTD REPORT

PRINT REPORT

1

1. Input the total weight of the gradation sample in grams based on the value entered in **6**.  
For Solvent Washed -
  - This is the coated weight, before Asphalt Binder is removed.For Ignition Oven -
  - Enter the total aggregate weight after Asphalt Binder has been removed.
2. Cell will compute total weight of the aggregate without asphalt binder if Solvent Washed is chosen in **6**. Cell will be blank until Asphalt Binder test completed and data entered on the VOLUMETRICS screen.
3. Input weight of sample after washing.
4. Enter cumulative weights for each screen with a tolerance - include the "Zero" screen.
5. Job Mix Formula will be displayed from information on the MIX DESIGN LIST screen. If incorrect - change on the EDIT MIX DESIGN screen.
6. Choose the method used to remove the Asphalt Binder for the gradation test.
  - Input an "X" for Solvent Washed.
  - Delete "X" in Solvent Washed area if Ignition Oven used.
7. Navigation buttons that will take you to the subplot gradation chosen.
8. Displays if subplot gradation is within the tolerance limits. If a tolerance is shown, a value is needed in column **4** - additional Zero (0.0) values may be required above the "Zero" screen. Ten (10) "Yes" values are needed or gradation will be shown as not in compliance on the AHTD REPORT screen.

## - After Contractor Data Upload

Job No. **050163** Job Name **Branch Of Cadron Creek STRS.& APPRS.(S)**  
 Mix Type **ACHM Surface Course 12.5mm**

Lot No. **1**  
 Mix No. **HM398-03**

Oven Dry Weight	2584.1	grams
Aggregate Weight	2584.1	
Washed Weight	2471.0	

Method Used to Remove Asphalt	
Solvent Washed	
Ignition Oven	X

Lot Number		1	
Sieve Size	Wt. Retained	Percent Passing	Job Mix
50	2"	0.0	100
37.5	1-1/2"	0.0	100
25	1"	0.0	100
19	3/4"	0.0	100
12.5	1/2"	207.0	92
9.5	3/8"	500.0	81
4.75	#4	1381.4	47
2.36	#8	1775.1	31
1.18	#16	2037.5	21
0.6	#30	2147.2	17
0.3	#50	2290.3	11
0.15	#100	2393.5	7
0.075	#200	2451.6	5.1
Fines to Asphalt Ratio		1.02	Tolerance

Sublot Number		1	
Difference	(+/-) Tolerance	Complies	
0			
0			
0	7	YES	
0	7	YES	
5	7	YES	
3			
1	7	YES	
1	7	YES	
1	4	YES	
0	4	YES	
-1	4	YES	
1	4	YES	
0.3			
Low	0.6	YES	
High	1.6		

SUBLLOT 2

MENU

SUBLLOT 3

VOLUMETRICS

SUBLLOT 4

LOOSE MIX

TECHNICIANS

PRINT REPORT

MIX DESIGN

AHTD REPORT

1

1. After the Contractor's data has been uploaded, this area on the AHTD Workbook will be locked and this data will be unable to edit. To change or add additional subplot data, you will need to copy or e-mail the Inspector your data file.



# LOOSE MIX - QUANTITY SCREEN

**LOOSE MIX - REPORTED QUANTITY**


Job Number S10610 Job Name HWY. 31 - NORTH (OVERLAY) (S) Lot No. 1  
Mix No. HM434-04

TONS IN THIS LOT:		3000.00
SUBLOT #	1	750.00
SUBLOT #	2	750.00
SUBLOT #	3	750.00
SUBLOT #	4	750.00

TOTAL OF SUBLOTS: 3000.00

The last subplot of each Lot may be increased to a maximum of 1050 Tons - all other sublots are 750 Tons maximum.

TOTAL TONS THIS REPORT:	3000.00
PREVIOUS TONS:	0.00
TOTAL TO DATE:	3000.00



**MENU**

**VOLUMETRICS**

**TECHNICIANS**

**GRADATION**

**MIX DESIGN**


**AHTD REPORT**

1. Enter the total tons reported for this Lot. If total is greater than tests represent - the "Reported Tons OK?" area on the SUMMARY PAGE will be listed as "NO" and report cannot be transferred to SITEMANAGER.
2. Enter the total tons represent by each subplot - usually 750 tons. Must add up to value entered in cell ① above. The last subplot used in a Lot may be increased 300 tons to a maximum of 1050 Tons. All preceding sublots shall be 750 tons maximum.
3. Input "Total To Date" from previous Lot Report.

## TECHNICIANS SCREEN

**CERTIFIED HMAC TECHNICIANS**

May 28, 2009



First Name	Last Name	CTTP #	Expires	Label	Title
Steve	Pennington	1044	12/31/2009	SP 1044	Dist. Mat'l's Super.

1
2
3
4

5
SORT NAME
SORT NUMBER
SORT DATE

MENU

VOLUMETRICS

GRADATION

LOOSE MIX

MIX DESIGN

AHTD REPORT

- |  |   |
|--|---|
| <p><b>1.</b> Technician information input in this area will be available on the pull-down list on the VOLUMETRICS screen.</p> <p><b>2.</b> Input the date technician's HMAC certification expires.</p> <p><b>3.</b> If technician's certification is current - this area will be displayed and made available on the pull down list on the VOLUMETRICS screen.</p> | <p><b>4.</b> Technician's title will automatically be completed on Sublot Reports if entered here.</p> <p><b>5.</b> You may sort this list according to the field selected.</p> |
|--|---|

# 1 SUMMARY PAGE

## INSPECTOR WORKSHEET SUMMARY

SAMPLE I.D.	06JETC227080005	PREVIOUS SAMPLE ID		AHTD REPORT COMPLETE ?	YES
TRANSFERRED BY	SDPE109	UPDATED ?	NO	GRADS. DONE ?	YES
MATERIAL CODE	ACHM	TRANSFERRED	YES	SAMPLE I.D. OK ?	YES
SAMPLE DATE	20081002	VERSION	03.01.2009	ALL TESTS COMPLETE ?	YES
PROJECT NUMBER	S10610	BUTTON	OFF	REPORTED TONS OK ?	NO
LOT NUMBER	1	CONTR. DATA ?		LOT IN COMPLIANCE ?	YES
SAMPLE MIX ID	HM434-04			READY TO TRANSFER ?	NO
MATERIAL TYPE	ACHM Surface Course 12.5mm				
PLANT ID	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.			LOT IN PRICE REDUCTION ?	NO
REPORTED QUANTITY	3000			A.B. Reduction -	0%
REPORTED QUANTITY (AGG)	2847	REPORTED QUANTITY (BINDER)	153	A.V. Reduction -	0%
ASPHALT BINDER SOURCE	LION	ASPHALT BINDER GRADE	PG 64-22	VMA Reduction -	0%
DATE / TIME TRANSFERRED	3/11/2009 11:13 AM			Density Reduction -	0%
				TOTAL REDUCTION -	0%

TEST DATA

	1	2	3	4	AHTD	AVG.	COMPLIES
PERCENT AIR VOIDS	3.2	3.7	3.4	4.0	4.7	3.8	PASS
VOIDS IN MIN. AGGREGATE	13.9	13.9	13.6	14.2	14.9	14.1	PASS
PERCENT ASPHALT BINDER	5.1	4.9	4.9	4.9	4.9	4.9	PASS
PERCENT COMPACTION	92.6	92.9	93.1	92.3	93.1	92.8	PASS
SPECIFIC GRAVITY OF MIX	2.416	2.424	2.414	2.430	2.444	2.426	
SUBLOT IN COMPLIANCE (YES / NO)	YES	YES	YES	YES	YES		
TEST DATA ?	YES	YES	YES	YES	YES		

MENU SHEET

Folder on C:	C:\ACHMJobs\S10610\S10610_12.5mm_Lot_1.xls	USER-ID	SDPE109
Sample I.D.	S10610\S10610_12.5mm_Lot_1.xls		
Date	10/02/2008		
Mix Design No.	HM434-04		
Lot / Sublot	1 /	1	2
Job Number	S10610	3	4
Job Name	HWY. 31 - NORTH (OVERLAY) (S)		
County	Lonoke		
M.A. Quantity	2847		
A.B. Quantity	153		
Material Type	ACHM Surface Course 12.5mm		
Producer	CRANFORD (DRUM) - NORTH LITTLE ROCK, AR.		

1. This page brings test data from all other screens to this area. Helpful to determine if having problems transferring data to SITEMANAGER.

2. All these areas must be GREEN and noted as "YES" or report cannot be transferred.

- Sample ID - Make sure is correct format and not previously used.
- Tests Complete - check area 4. Should not be a "YES" if values are blank above.
- Reported Tons - Check the LOOSE MIX sheet, tons reported and number of samples must agree.
- Lot in Compliance - Lot cannot be in rejection.
- Ready to Transfer - Checks if all above areas are "YES".

3. Checks for Lot in Price Deduction - still may transfer unless Lot is in rejection.

4. If value is "YES" and should not be - make sure you do not have any data in that subplot column on the VOLUMETRICS screen. A date, truck number or even a space may cause this problem. To correct - highlight the WHITE cells of the subplot on the VOLUMETRICS screen and hit the "Delete" button on your keyboard.

5. Test data from other screens. Formatted for SITEMANAGER - not so much for the rest of us.

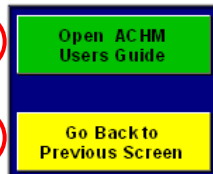
## HELP SCREEN

- ENTER INFORMATION THAT MATCHES SITEMANAGER EXACTLY.
- REPEATING INFORMATION ENTERED ON ANY SHEET NEEDED ON ADJACENT SHEETS WILL BE AUTOMATICALLY CARRIED TO THE OTHER SHEETS. USER ENTERED VALUES ARE ENTERED IN THE WHITE SPACES.
- THIS SPREADSHEET WILL HANDLE UP TO 4 SUBLOTS, MORE SUBLOTS WILL HAVE TO BE HANDLED AS A SPECIAL CASE.
- THIS SPREADSHEET MUST BE USED FOR AUTOMATIC TRANSFER TO SITEMANAGER.
- ASPHALT CONTENT MAY BE ENTERED BY EITHER THE NUCLEAR OR BINDER IGNITION METHOD. IF BOTH ARE ENTERED, THE NUCLEAR CONTENT WILL TAKE PRECEDENCE OVER THE IGNITION METHOD.
- In the event that an existing, non-asphalt SiteManager sample ID is used, the report will be rejected and the user will receive an email stating "Sample ID already exists." Simply use a valid sample ID and resubmit the report.
- If you are unable to open the ACHM Users Guide - you may need to install the newest version of ADOBE. Some problems exist with ADOBE 7.0 that will cause the screen to <BLINK> but not open the file.
- Spreadsheet help can be obtained by referencing the ACHM Spreadsheet Users Guide or by contacting Steve Pennington at 479-968-1257 or by email to - [steven.pennington@arkansashighways.com](mailto:steven.pennington@arkansashighways.com)

1

2

3



1. Click here if totally perplexed to send me an email.

2. This button will open this USERS GUIDE.

3. Go back to view the previous screen selected.