

Asphalt Mix Field Testing

When creating a sample it should be easy to find the correct material code by keying in the 3 digit code (307, 313 or 411). Then hold your cursor over the field and a magnifying glass will appear. Right click and select "search"

The screenshot shows a software interface titled "Maintain Sample Information". It has three tabs: "Basic Sample Data", "Addtl Sample Data", and "Contract". The "Basic Sample Data" tab is active. Fields include "Smpl ID:", "Revised By:", "Link To:", "Smpl Type:", "Material:" (with "411" entered), "Sampler:", "P/S:", "Type:", and "Prod Nm:". A right-click context menu is open over the "Material" field, listing options: "Search", "Filter Search", "Show Details", "Filter", "Find", "Sort", and "Show Filter/ Sort".

The search window will open with the first record being the one that starts with that code. The inspector will then be able to see the "material full name". The descriptions are grouped by the letter of the mix (A, AS, ACRL, B, BM, BM2, etc.) (411D, E, E(shoulder), SP411's) It should only take a couple of seconds to scroll to the correct mix and select it.

The screenshot shows a "Search Window" dialog box with a table of material codes and full names. The table has three columns: "Material Code", "Material Full Name", and "Material Category". The row for "411.03.003" is highlighted. Below the table are "OK" and "Cancel" buttons.

Material Code	Material Full Name	Material Category
411.03.001	411-D Bit PM, PG 64-22	411 - Asphalt Concrete Surface (HotMix)
411.03.002	411-D Bit PM, PG 67-22	411 - Asphalt Concrete Surface (HotMix)
411.03.003	411-D Bit PM, PG 70-22	411 - Asphalt Concrete Surface (HotMix)
411.03.004	411-D Bit PM, PG 76-22	411 - Asphalt Concrete Surface (HotMix)
411.03.005	411-D Bit PM, PG 82-22	411 - Asphalt Concrete Surface (HotMix)
411.03.006	411-E Bit PM, PG 64-22	411 - Asphalt Concrete Surface (HotMix)
411.03.007	411-E Bit PM, PG 67-22	411 - Asphalt Concrete Surface (HotMix)

Below are examples of info that should be entered for field samples of asphalt mix:

Maintain Sample Information

Basic Sample Data Addtl Sample Data Contract Other Tests

Smpl ID: ij01563149G083021 Status: Received

Revised By: Revising: Sample Date: 09/16/14

Link To: Link From: Log Date: 09/16/14

Smpl Type: Acceptance Acpt Meth: Acceptance

Material: 411.03.001 411-D Bit PM, PG-64 22

Sampler: P/S: Rogers Group - Lawrenceburg Asphalt 35000003

Type: Producer/Supplier City: Lawrencebrg

Prod Nm: Mnfctr: Town: Geog Area: Region 3 - Lawrence

Intd Use: Sta. 35+00 to 68+50 N bound

Repr Qty: 452.250 Ton Lab Control Number: CNij01563149G083021

Auth By: Auth Date: 00/00/00 Lab Reference Number: Lock Type: Locked By: ij01563 Lock Date: 9/16/2014 08:39:18

HQ:

Maintain Sample Information

Basic Sample Data **Addl Sample Data** Contract Other Tests

Smpl ID: ij01563149G083021 Buy American: Witnessed By:

Reqst By: Smpl Size:

Dist from Grade: Station: 38+00 Offset: 12 Reference: Left

Smpld From: Smpl Origin: Control Type: Cntrl Number: Seal Number:

Design Type: Marshall Mix ID: 3140074 Plant ID: Plant Type:

Creator User ID: ij01563 Include Standard Remarks: Sample Created from DWR: DWR Date: 00/00/00

Last Modified User ID: ij01563 Last Modified Date: 09/24/14 DWR Inspector:

You can either key in the design number or use the search function:

Maintain Sample Information

Basic Sample Data **Addl Sample Data** Contract Other Tests

Smpl ID: ij01563149G083021 Buy American: Witnessed By:

Reqst By: Smpl Size:

Dist from Grade: Station: Offset: Reference:

Smpld From: Smpl Origin: Control Type: Cntrl Number: Seal Number:

Design Type: Marshall Mix ID: 3140074 Plant ID: Plant Type:

Creator User ID: ij01563 Include Standard Remarks: Sample Created from DWR: DWR Date: 00/00/00

Last Modified User ID: ij01563 Last Modified Date: 09/24/14 DWR Inspector:

Search
Filter Search
Show Details
Filter
Find
Sort
Show Filter/ Sort

Next we need to link the tests to a contract:

Click on the contract tab.

1. Select the “New” icon at the top of the window.
2. Enter contract number or use search function to find correct contract and item(s) NOTE: if contract has multiple projects w/ item, select all project items.
3. DO NOT ENTER QUANTITY. The quantity to be paid is entered in a DWR by office personnel. The material has a rate/frequency of testing linked to it, and entering a quantity here will possibly cause a shortage of test results resulting in money being withheld.

The screenshot shows a software window titled "Maintain Sample Information". The "Contract" tab is selected. Below the tabs, there is a "Sample" field containing "jj01563149G083021". A table displays sample data with the following columns: Contract ID, Project, Line Item, Proposal Line Number, Item Code, Fed State Prj Nbr, Cont Est Matrl Qty, Represented Qty, Material Unit, and Reported Matrl Qty. A red box highlights the "New" icon in the toolbar, and a red "1" is next to the "Contract" tab. A red "2" is next to the "Contract Id" field in a dialog box, and a red "3" is next to the "Represented Qty" column in the table.

Contract ID	Project	Line Item	Proposal Line Number	Item Code	Fed State Prj Nbr	Cont Est Matrl Qty	Represented Qty	Material Unit	Reported Matrl Qty	Sat M
TST118	06001-3171-44	0490		411-01.10	NH/HPP-I-75-1	52.000	0.000	Ton	0.000	
							.000			

Select Contract/Material Information

Please tab out of the field to retrieve the Line Item select list

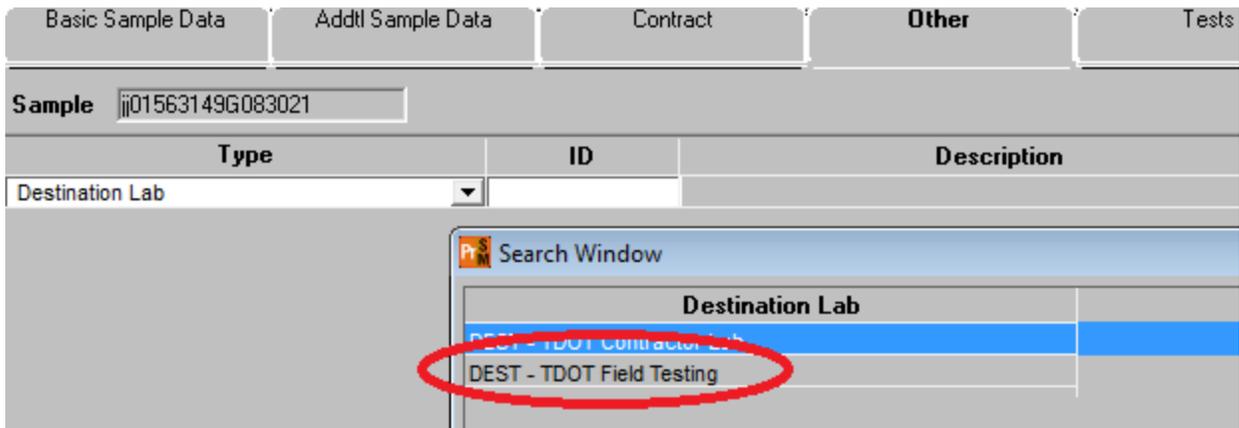
Contract Id: TST118 INTERCHANGE IMPROVEMENTS ON I-75 @ SR 311 (US-74)

Project Number	Line Item Number	Proposal Line Number	Item Code	Line Item Desc
06001-3171-44	0490	0490	411-01.10	ACS MIX(PG64-22) GRADING D

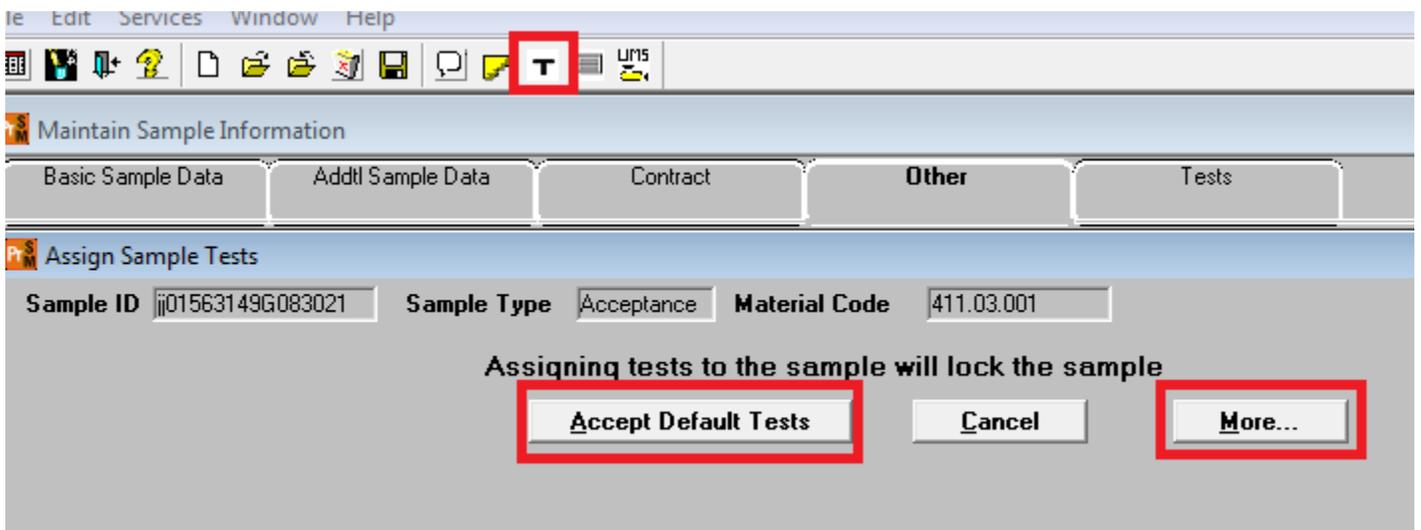
Next you will need to select a lab.

Click on the Other tab.

1. Select the “New” icon at the top of the window.
2. Select Destination Lab.
3. Use search function to find correct lab.



The final step is selecting the tests. Select the “Open Assign Tests” icon at the top of the screen. Most times you will accept default tests. If you need to run tests that are only ran occasionally, select the More button.



When you select the “More” option, a new window opens. You can use this window to add additional tests, or remove default tests. Once you click “Save Tests” the sample will lock and will be in the lab you selected (Field or Contractor). NOTE: It is a pain to add/remove tests after this step, so make sure you have the tests you plan to run on your sample selected.

Assign Sample Tests

Sample ID: j01563151U142008 Sample Type: Acceptance Material Code: 411.03.001

Assigning tests to the sample will lock the sample

Additional Available Tests		Tests to be Assigned				
Test Description	Lab Unit	Default Test	Test Rqrd	Auto-Finalize	Test Runs	Test Description
M003 - 1 Ride Smoothness (SP 411B)	TDOT699001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	D2950 - Density of Bituminous Conc in
M004 - Pre-Ride Improvement (SP411C)	TDOT699001					
M019 - Asphalt Core Thickness	TDOT699001					
M020 - Visually Accepted	TDOT699001					
T242 - Friction Data Import	TDOT699001					

Buttons: Add -> <- Remove

Buttons: Save Tests Cancel

You are now ready to go to LIMS and enter your test results.

Very important procedure notes:

1. SiteManager requires specific tests to be performed before any payment can be made on asphalt mix items. If no tests are required first day material is placed (small quantity or temporary) A density sample with test D2950 required for payment MUST be created. The sample can be moved thru LIMS without any test data entered, by selecting the "No tests taken" check box. The inspector will be required to describe reason in remarks field of test templates. This will be an "Acceptance" sample.

D2950 Nuclear Asphalt Density

Print

Equipment:

In Spec
 Out of Spec
 No Spec

No tests taken due to field conditions **Comment describing conditions required (if checked)**

Comments: being paid under SOP 1-1 small quantity procedure

Version 1.5 (08-15-17)

2. The test template has a drop-down in the 'Method used' column to select 'Gauge' or 'Core'. Although 'Cores' do not have a spec on the individual test, a calculated '% Density' less than the number in the 'minimum single density' field at the top of the template will show out of spec and will require a sample review to finish the sample.



3. Select a status of COMP- Complete or FLIP- failed but left in place in order for sample to count toward payment.