

## Independent Assurance Asphalt Mix Field Testing

Regional M&T inspector will perform tests side by side with operations inspector. Both will note the sample details and testing results on paper. They will then create and complete SM samples once they have connectivity.

Below are important things the IA Inspector will need to know:

The acceptance sample will be linked to the independent assurance sample by the link to field on the independent assurance sample. The acceptance sample's data that will display in this report will be the acceptance sample id that matches the sample id in the link to field of the independent assurance sample. Sample date on IA sample must be the same date as acceptance sample.

The IA inspector will need to know the sample ID of person whose test they will be checking along with the material code being tested.

For density tests they will need to enter their data in the same column of the test template as the acceptance sample they are reviewing.

If a density test is performed by the Acceptance & IA inspector and required density is not achieved, results must be documented by both inspectors. Or retested and samples will be created by both inspectors after additional compaction (in order for both samples to document correct data for IA report).

The acceptance sample ID can be emailed to the assurance inspector so it can be entered in the "Link to" field of the IA sample.

Maintain Sample Information

Basic Sample Data    Addtl Sample Data    Contract

Smpl ID:     Status

Revised By:     Revising

Link To:     Link From

Smpl Type:     Spt Meth

Material: 411

Sampler:     City

P/S:     City

Type:     City

Prod Nm:     City

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

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"

Search Window

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)

OK    Cancel

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.

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: j015631829113748      Status: Pending

Revised By:      Revising:      Sample Date: 02/01/18

Link To: j0457817AC134715      Link From:      Log Date: 02/09/18

Smpl Type: Independent Assurance      Acpt Meth: Independent Assurance

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

Sampler: j01563      Evans, Bobby

P/S: Rogers Group - Nashville Asphalt Mix      31900036

Type: Producer      City: No Address Found

Prod Nm:      Mnfctr:      Geog Area: Region 3 - Davidson

Town:      Intd Use:

**Maintain Sample Information**

Basic Sample Data | **Addtl Sample Data** | Contract | Other | Tests

Smpl ID: j01563149G083021      Buy American:       Witnessed By:

Reqt 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: j01563      Include Standard Remarks:       Sample Created from DWR:       DWR Date: 00/00/00

Last Modified User ID: j01563      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 | **Addtl Sample Data** | Contract | Other | Tests

Smpl ID: j01563149G083021      Buy American:       Witnessed By:

Reqt 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: j01563      Include Standard Remarks:       Sample Created from DWR:       DWR Date: 00/00/00

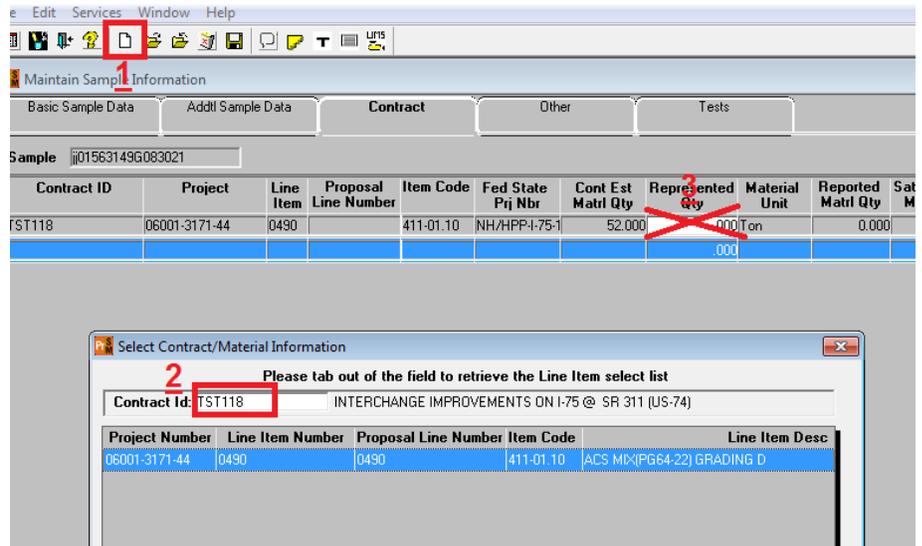
Last Modified User ID: j01563      Last Modified Date: 09/24/14      DWR Inspector:

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

Next we need to link the sample to a contract:

Click on the contract tab.

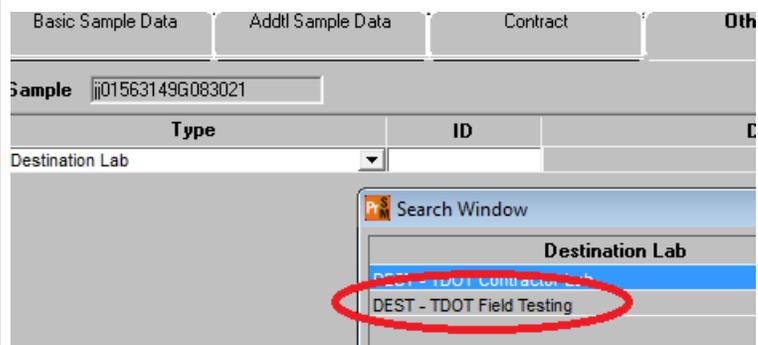
1. Select the “New” icon at the top of the window.
2. Enter contract number or use search function to find correct contract and item(s)
3. DO NOT ENTER QUANTITY.



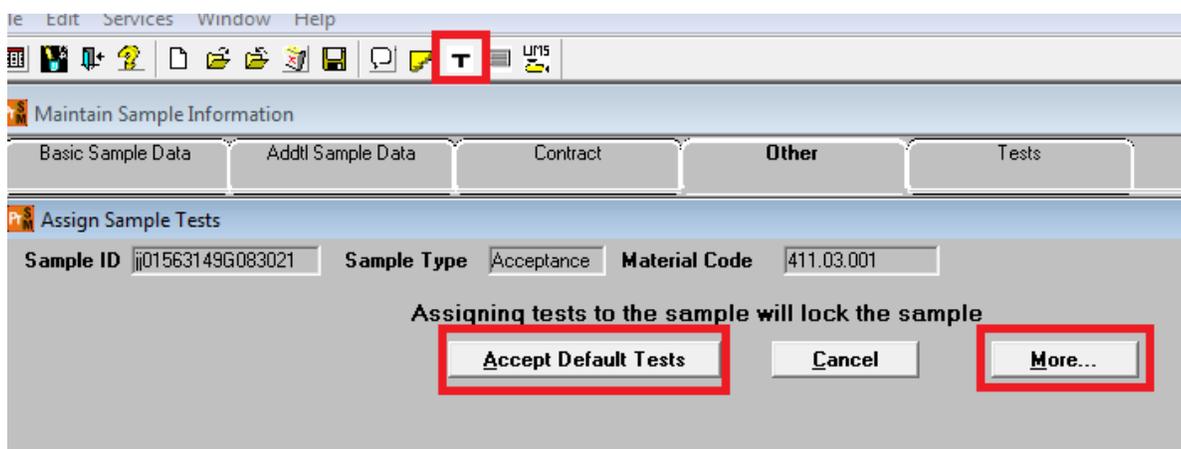
Next you will need to select a lab.

Click on the Other tab.

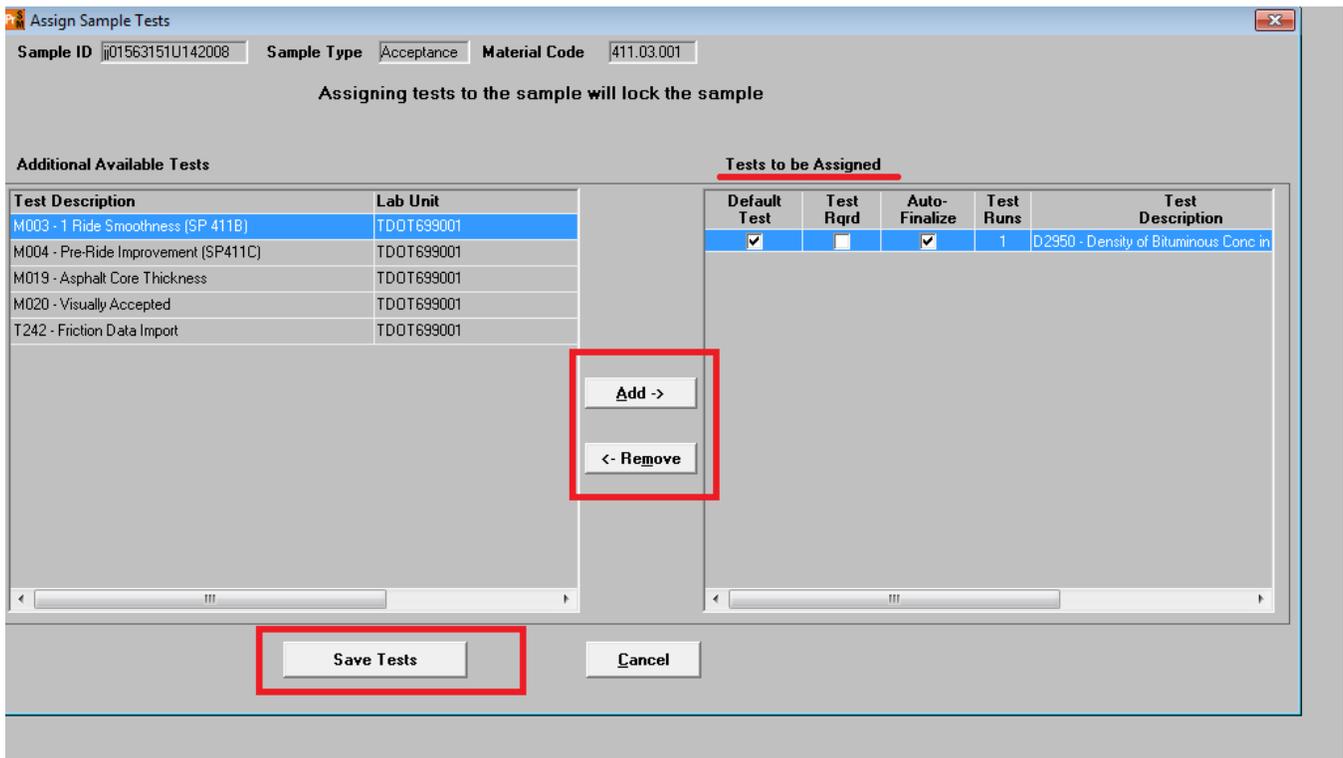
1. Select the “New” icon at the top of the window if there is not a blank field.
2. Select Destination Lab.
3. Use search function to find correct lab. (Field for Nuclear Density, Regional Lab for cores)



The final step is selecting the tests. Select the “Open Assign Tests” icon at the top of the screen. Most times you can accept default tests (D2950). If you need to run a different test, 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.



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

A very important procedure note:

<b>Core Correction</b>	<b>Percent Required Density</b>	<b>Patching or Turnouts</b>
1.0	92.0	1234.56
<hr/>		
(ft.)	Width	Lift Lane
1.3	14	9 7
<b>Average Den. Kg/m3 (lb/ft3)</b>	<b>Corrected Density</b>	<b>% Density</b>
121.0	122.0	99.2
0.0	1.0	0.8

Do not enter a "Core Correction" if you are not performing all 5 tests. The correction causes an incorrect "% Density" on rows where tests were not ran.

If a "Core Correction" was required, just add that number to the "Average Den. Kg/m3 (lb/ft3)" quantity. Note the "Core Correction" factor in the remarks field. This will keep the BOE report from showing tests out of the acceptable range.

If you are only entering a test or 2 instead of filling out all 5 tests, the sample may be out of spec. You will be required to go to the "Review Sample" window of LIMS to mark the sample complete.