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.



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 curser over the field and a magnifying glass will appear. Right click and select "search"

Material Code	Material Full Name	Material Category	
11.03.001	411-D Bit PM, PG-64 22	411 - Asphalt Concrete Surface (HotMix)	
11.03.002	411-D Bit PM, PG 67-22	411 - Asphalt Concrete Surface (HotMix)	
11.03.003	411-D Bit PM, PG 70-22	411 - Asphalt Concrete Surface (HotMix)	
11.03.004	411-D Bit PM, PG 76-22	411 - Asphalt Concrete Surface (HotMix)	
11.03.005	411-D Bit PM, PG 82-22	411 - Asphalt Concrete Surface (HotMix)	
11.03.006	411-E Bit PM, PG 64-22	411 - Asphalt Concrete Surface (HotMix)	
11.03.007	411-E Bit PM, PG 67-22	411 - Asphalt Concrete Surface (HotMix)	
		Grand	
	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:

	Addtl Sample Data	Contract	Ƴ Other	Y Tests	
Smpl ID: jj015631	829113748	Status: Pe	ending	*	-
Revised By:		Revising:		Sample Dat	te: 02/01/18
Link To: jj045781	7AC134715	Link From:		Log Dat	te: 02/09/18
Smpl Type: Indepen	ident Assurance 🔹	Acpt Meth: In	dependent Assurance		
Material: 411.03.0	001	411-D Bit PM, PG-64 22			
Sampler: jj01563		Evans, Bobby			
P/S: Rogers (Group - Nashville Asphalt Mix	x		31900036	
Type: Produce	ſ	City: No	Address Found.		
Prod Nm:					
Mnfctr:					
Town:			Geog Area: Region 3 -	Davidson	•
Intd Use:					
C UD- CONFEC	140000001	D			
Smpl ID: jj01563 Reqst By:	3149G083021	Buy American: 🔽	Witn	essed By:	1
Smpl ID: jj01563 Reqst By: Smpl Size:	3149G083021	Buy American: 🗌	Witn	essed By:]
Smpl ID: jj01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00	3149G083021	Buy American:	Witn	essed By:	
Smpl ID: jj01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpld From:	3149G083021	Buy American:	Witn	eference: Left	
Smpl ID: jj01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpld From: Smpl Origin:	31496083021	Buy American:	Witn	essed By:	
Smpl ID: jj01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpld From: Smpl Origin: Control Type:	3149G083021	Buy American:	Witn R Sea	essed By:	
Smpl ID: j01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpl Origin: Smpl Origin: Control Type: Design Type: Marsh	3149G083021	Buy American:	Witn R Sea	essed By:	
Smpl ID: ji01563 Reqst By: Smpl Size: Dist from Grade: Station: Smpl Origin: Control Type: Design Type Marsh Plant ID: Smpl N1553	31 49G083021	Buy American:	Witn R Sea Plant	essed By: eference: Left	
Smpl ID: j01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpld From: Smpl Origin: Control Type: Design Type: Marsh Plant ID: Creator User ID:	3149G083021	Buy American:	Witn R Sea Plant Sample Created from	essed By:	
Smpl ID: ji01563 Reqst By: Smpl Size: Dist from Grade: Station: 38+00 Smpl Origin: Control Type: Design Type: Marsh Plant ID: Creator User ID: ast Modified User ID:	31 49G083021	Buy American:	R Sea Sea Plant Sample Created from DWF 09/24/14 DWB Inst	essed By: eference: fype: DWR DWR Date: D0/00/00 Doctor:	
Smpl ID: ji01563 Reqst By: Smpl Size: Smpl Size: Smpl Size: Smpl Size: Smpl Size: Smpl Size: Smpl Origin: Smpl Origin: Control Type: Marsh Plant ID: Creator User ID: Streator	31 49G083021	Buy American:	Witn Witn Sea Plant Sample Created from DWR 09/24/14 DWR Insp	essed By: eference: fype: DWR DWR Dot	
Smpl ID: ji01563 Reqst By: Smpl Size: Smpl Size: Smpl Size: 38+00 Smpld From: Smpl Origin: Control Type: Design Type Marsh Plant ID: Creator User ID: ast Modified User ID:	31 49G083021	Buy American:	Witn R Sea Plant Sample Created from DWF 09/24/14 DWR Ins	essed By:	

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

Smpl ID: ii01563149G08302	Bu	v American:		<u> </u>
Reqst By:		······	,	Wit
Smpl Size:				
Dist from Grade:				
Station:		Offset:		
Smpld From:				
Smpl Origin:				Search
Control Type:	T	Cntrl Number:	:	Filter Search
Design Type: Marshall		▼ Mix ID:	3140074	Show Details
Plant ID:				Filter
				Find
Creator User ID: ii01563	Inc	lude Standard R	emarks:	Sort
Last Modified User ID: jj01563		Last Modifie	d Date: 0	Show Filter/ Sort

Next we need to link the sample to a contract:

Click on the contract tab.

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

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🛔 Maintain S	Samp <mark>le</mark> In	formation										
Basic Sam	nple Data	Addt	I Sample [Data	Cont	ract	√ Othe	er Y	Tests			
Sample jj0	1563149G	083021			- !							
Contrac	st ID	Proje	ect	Line Item	Proposal Line Number	ltem Code	Fed State Prj Nbr	Cont Est Matri Qty	Represented Sty	Material Unit	Reported Matri Qty	Sat M
rst118		06001-3171-	-44	0490		411-01.10	NH/HPP-I-75-1	52.00	000	Ton	0.000)
									.000			
	Sele	ct Contract/	/Material	Inform	nation							
		2_	I	Please	tab out of the	e field to re	trieve the Line	e Item selec	t list			
	Con	tract Id: TS	T118		INTERCHA	NGE IMPRO	EMENTS ON I	75@ SR 311	l (US-74)			
	Proje	ct Number	Line I	tem Nu	umber Propos	sal Line Nu	mber Item Coo	le	L	ine Item D	esc	
	06001	-3171-44	0490		0490		411-01.10	ACS MIX(I	PG64-22) GRADII	NG D		

Next you will need to select a lab.

Regional Lab for cores)

Click on the Other tab.	Basic Sample Data Addtl Sample	Data Contract Oth
 Select the "New" icon at the top of the window if there is not a blank field. 	Sample jj01563149G083021 Type Destination Lab	
2. Select Destination Lab.		Destination Lab
 Use search function to find correct lab. (Field for Nuclear Density, 		DEST - TDOT Field Testing

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.

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Maintain Sample Information						
Basic Sample Data 🕺 Addtl Sa	ample Data Contract	Other	Tests			
👫 Assign Sample Tests						
Sample ID jj01563149G083021	Sample Type Acceptance	Material Code 411.03.001				
	Assigning tests t	o the sample will lock the	sample			
	<u>A</u> ccept Defa	ult Tests <u>C</u> ancel	<u>M</u> ore			

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							X
Sample ID jj01563151U142008 Sample 1	ype Acceptance Materia	l Code 411.03.001					
•	ecianing tasts to the sa	mple will lock the s	amnlo				
<u> </u>	ssigning tests to the so	ample will lock ale s	սախլե				
Additional Available Tests			Tests to b	e Assigned	_		
Test Description	Lab Unit		Default	Test	Auto-	Test	Test
M003 - 1 Ride Smoothness (SP 411B)	TD0T699001		l est	Rqrd	Finalize	Huns	D2950 Density of Riturningue Cong in
M004 - Pre-Ride Improvement (SP411C)	TD0T699001		•				D2300 - Density of Bitaminous Concilin
M019 - Asphalt Core Thickness	TD0T699001						
M020 - Visually Accepted	TD0T699001						
T242 - Friction Data Import	TD0T699001						
۲		<u>A</u> dd -> <- Remove	<		m		þ
	Save Tests	<u>C</u> ancel					

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

A very important procedure note:

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