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

🚢 Maintain Sar	nple Infor	mation			
Basic Sample	Data	Addtl Samp	le Data	Co	ntract
Smpl ID:	· · · ·		<u> </u>		Status
Revised By:					Revising
Link To:			Search		ink From
Smpl Type:			Filter Sear Show Deta		pt Meth
Material:	411		Filter	305	
Sampler:			Find		
P/S: Type:			Sort		City
Prod Nm:			Show Filte	r/ 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.

Material Code	Material Full Name	Material Category	<u>^</u>
411.03.001	411-D Bit PM, PG-64 22	411 - Asphalt Concrete Surface (HotMix)	Ξ
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)	
			-
	ОК	Cancel	

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

Basic Sample	Data Addtl Sample Data	Contract	Other	Tests	
Smpl ID:	jj01563149G083021	Status:	Pending		
Revised By:		Revising:		Sample Date	e: 09/16/14
Link To:		Link From: [Log Date	e: 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 Aspha	lt		3500003	
Туре:	Producer/Supplier	City: 🛙	awrencebrg		
Prod Nm:					
Mnfctr:					
Town:			Geog Area: 📗	Region 3 - Lawrence	
Intd Use:					
Repr Qty:	452.250 Ton		•	Lab Control Number: CNij0156314	49G083021
Auth By:		Auth Date: 00/00/	/00	Lab Reference Number:	
Lock Type:	HQ	Locked By:		Lock Date:	

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

Dasic Janipie Data	Auur Janipie Dara	Contract	Utilei	16313
Smpl ID: jj01	563149G083021	Buy American:		
Reqst By:				Witnesse
Smpl Size:				
Dist from Grade:				
Station:		Offset:		Refere
Smpld From:				_
Smpl Origin:			Searc	h
Control Type:	•	Cntrl Numbe	er: Filter	Search
Design Type: Ma	rshall	▼ Mix I	D: 3140074 Show	Details
Plant ID:			Filter	
			_ Find	
Creator User II): jj01563	Include Standard		
Last Modified User IC): ii01563	Last Modif	ied Date: 🛛	Eilter/ Sert
			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 for the material being tested.
- 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.

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🖁 Maintain Sa	ample Information	n									
Basic Samp	le Data 👋 Ac	ldtl Sample	e Data	Con	tract	7 Othe	er Y	Tests			
Sample jj01!	563149G083021					·	i		'		
Contract	ID Pro	oject	Line Item	Proposal Line Number	ltem Code	Fed State Prj Nbr	Cont Est Matri Qty	Represented	Material Unit	Reported Matrl Qty	Sat M
rst118	06001-317	71-44	0490		411-01.10	NH/HPP-I-75-1	52.000	000	Ton	0.000	j
								.000			
ſ	👫 Select Contra	ct/Materi	al Inform	nation							
	2.		Please	tab out of th	e field to rel	trieve the Line	e Item selec	t list			
	Contract Id:	TST118		INTERCHA	NGE IMPROV	/EMENTS ON I	-75@ SR 311	(US-74)			
	Project Numb	er Line	ltem Nu	umber Propo	sal Line Nu	mber Item Coo	de	L	ine Item Do	esc	
	06001-3171-44	0490		0490		411-01.10) ACS MIX(F	PG64-22) GRADII	NG 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.

Basic Sample Data Addtl Sample Da	ata Č Cont	ract Other	Tests
Sample jj01563149G083021			
Туре	ID	Description	
Destination Lab	•		
(6		
	🖁 Search Window		
[Destination Lab	
	DEST - TDOT Contrac	tor Lab	
	DEST - TDOT Field Tes	sting	

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.

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Maintain Sample Information			
Basic Sample Data Addtl Sample Data	Contract	Other	Tests
Assign Sample Tests			
Sample ID j01563149G083021 Sample Type	e Acceptance Materi	ial Code 411.03.001	
Assi	qninq tests to the s	ample will lock the s	ample
	Accept Default Tests	s <u>C</u> ancel	<u>M</u> ore
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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. Many times the first sample will have the verification sample linked to it, so make sure your first acceptance sample has all tests required for verification. This will require selecting the "More" option.

Assign Sample Tests							
Sample ID jj01563149G083021 Sample Type	Acceptance Material Cod	le 411.03.001	_				
Assig Additional Available Tests	ning tests to the sampl	e will lock the s	ample Tests to be	e Assigned	I		
Test Description	Lab Unit		Default	Test	Auto-	Test	Test
D4867 - Tensile Strength Ratio	TD0T698001		Test	Rqrd	Finalize	Runs	Description
M007 - 10 Minute Boil Test	TD0T698001					1	T164EII - Vacuum Extraction
M007 - 10 Minute Boil Test	TD0T698001		✓		V		T27_30 - AC Content and Sieve Analys
M012 - LOI / Loss On Ignition Test	TD0T698001						
T11 - Materials Finer Than 75-μm Sieve in Min Aggr by W	a TDOT698001						
T166 - Bulk Spec Grav, Stblty and Flow (T166,T275,T331	I, TDOT698001						
T209 - Theoretical Maximum Specific Gravity of HMA	TD0T698001	Add ->					
M005 - Fractured Face Count	TD0T698001	Add ->					
M007 - 10 Minute Boil Test	TD0T698001						
M012 - LOI / Loss On Ignition Test	TD0T698001	<-Remove					
M018 - Glassy Particle	TD0T698001						
M019 - Asphalt Core Thickness	TD0T698001						
M020 - Visually Accepted	TD0T698001						
T11 - Materials Finer Than 75-µm Sieve in Min Aggr by Wa	a TDOT698001						
			•				*
Save	e Tests	Cancel					

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

A few important procedure notes:

SiteManager requires specific tests to be performed before any payment can be made on asphalt items. If no
tests are required first day material is placed (small quantity or temporary) A sample with all tests required for
payment MUST be created. The sample can be moved thru LIMS without any test data entered, but the
inspector will be required to describe reason in remarks field of test templates. The T27/30 sample will need to

be marked "Out of Spec" in order for the sample to be reviewed correctly. This will be an acceptance sample. Since no results are entered the sample must be reviewed. Make sure you give acceptance method of "Acceptance", mark it "Authorize, and give it a status of "Complete-no tests required"

- 2. We have an asphalt plant daily report (RR061) that can be ran for any contract/mix ID/date range
- 3. RR016-Approved mix design report will list all designs linked to a contract.
- 4. A <u>verification sample</u> will usually be tested at the same time as the first acceptance sample. In order to make sure we have the correct "Acceptance" sample showing on report RE: RR032 "Hot Mix Asphalt (HMA) Verification Summary", the asphalt plant inspector creates his acceptance sample and relays the sample ID to the Regional M&T inspector performing the Verification tests. Next assign appropriate lab and tests.
- 5. The M&T inspector performing <u>the verification test</u> will be able to add the Acceptance sample ID to the "Link to" field of the Verification sample and enter his results for this sample after the plant inspector pipelines his data back to the network. By doing this the 2 samples will be tied together and there will be only 1 verification sample and it would have the correct "Acceptance" sample tied to it.