

Florida Department of TRANSPORTATION



Project Sample User Manual Data Entry Data Reviewers Project Administrators

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Introduction

This manual describes the sample life cycle for samples taken for project material acceptance. They are general in nature to describe the functions and sample life cycle stages. Specific sample creation and life cycle instructions can be found on the <u>Materials Acceptance and Certification</u> Information website. For example, there are specific instructions for:

- Each major material
 - o Asphalt Plant Samples
 - o Rolling Straightedge pre 07/2020
 - o Rolling Straightedge Post 07/2020
 - o Project Structural Concrete
 - o Earthwork/Soils Samples
- Samples logged in for SMO
 - o Random Sample
 - o Certification Document Samples
 - o Pavement Smoothness Ride Acceptance short instructions
 - o Pavement Smoothness Full Instructions

MAC is a web based application. The screen appearance in this manual may be slightly different depending on the browser you are using and the settings on your computer such as resolution and zoom. Also, you may or may not see all the menu options and functions that appear on the screen shots, depending on your role set.

Warning and Error Messages

A warning can be dismissed upon reading it and you can continue with the process. It signifies something in the data that might be an issue under certain circumstances, but not always. An error means that there is something so critical that you are not permitted to proceed. The error must be addressed before you can advance.

An example of a warning would be if you attempted to save a sample without all the required information.



Select the X to close the dialog box and go back to the sample to complete more fields. Or select the OK to proceed with saving the sample without the required fields. MAC will let you save the sample, but you will not be able to submit it until you supply the required fields.

Another example of a system warning that can be dismissed is the off-list flags that appear on asphalt and concrete samples. These appear with the word **WARNING** in capitals with bold, red font.

WARNING: This is an Offlist Production Facility. Production Facility A0ABC1 - Asphalt Production Facility for training purposes is not listed on the QCP for this contract. x
--

An example of an error is submitting a sample without required fields.



The Save and Submit option is available (not greyed out) but clicking on it will only regenerate the error message until the error is addressed.

Conflict of interest is another example of an error message that will not allow you to proceed. If you attempt to log a sample with a specific contract and sample level under your company and there is another sample with a different sample level under the same contract you will receive a conflict of interest error message.

ERROR: Due to Conflict of Interest, the same Lab (or a different Lab from the same Company) cannot be used on a QC and a VT sample for the same Contract	
Save Save and Submit	

For example, if you are trying to log in a sample under a contract with the sample level of VT and there is an existing sample on that contract with the sample level of QC, MAC will give you this error message and not allow you to log the VT sample. In many cases, this is a true conflict of interest and you must notify the District Materials and Research Office (DMRO) to determine what to do next. The QC sample could be a concrete program sample for prestressed concrete producer making products for the contract and the VT sample may be for soils samples taken on the project. It is a conflict of interest even though the samples are for different materials because the conflict applies across all materials for the entire contract.

Or it might be because the existing QC sample is a data entry error. Notify the local DAC to have the sample with the data entry error deleted. Then there will no longer be a conflict and you will be able to enter the sample with the sample level VT.

Chapter 1 – Project Sample Life Cycle

The MAC project sample life cycle documents sample status and sample chain of custody. Whether a sample is considered to be open or closed is a business definition and does not appear as part of the sample display, such as the sample status or lab status. The table below describes each of the stages and whether a sample is open or closed at that stage.

Action taken by User	Sample Life Cycle Stage	Open or Closed?
Sample is created and saved	Logged	Open
Sample is created and submitted	Submitted for Lab Testing*	Open
Data Reviewer submits for FDOT Verification	Pending Finalization	Open
PA returns the sample for sample data corrections	Sample Data Correction Needed	Open
Data Reviewer revises sample data and returns to FDOT	Pending Finalization	Open
PA returns the sample for test corrections	Test Correction Needed	Open
Data Reviewer revises test data and returns to FDOT	Pending Finalization	Open
PA returns the sample for sample and test data corrections	Sample Data and Test Correction Needed	Open
Data Reviewer revises sample and test data and returns to FDOT	Pending Finalization	Open
PA finalizes Samples	Finalized	If Comparison is not required = Closed If Comparison is required = Open

*All samples, both lab and field are designated as "Submitted for Lab Testing". In the case of field samples, there is no lab to receive the sample or lab tests to be performed. It's simply submitted for testing, but MAC uses the same term for all sample statuses.

Lab Status during Submitted for Lab Testing Lab status is different from the sample status. Lab status does not impact samples being considered open or closed.			
Sample is saved	Waiting on Sample to be Submitted		
Sample is submitted	Waiting on Receipt or Auto-Receipt		
Lab returns sample for additional Information	Additional Info Required		
Lab user returns sample	Returned		
Lab user receives sample	Received		
Lab user opens sample header for sample info updates	Waiting on Sample to be Submitted		

Comparison Package Status			
Action taken by User Comparison Status		Open or Closed?	
PA creates comparison package but does not run comparison	Comparison not Performed	Open	
PA runs comparison on Comparison package and Compares	Compares	Closed	
PA runs comparison on Comparison package and Does Not Compare	Does Not Compare	Open if Resolution is required Closed if Resolution is not required	
PA designates Incomplete Package	Incomplete Package	Closed	
PA performs Resolution	Does Not Compare	Closed	
PA Marks Resolution Not Performed	Does Not Compare	Closed	

Chapter 2 – Sample Turnaround Time

Specifications Section 105 states that samples must be processed daily. The Department defines daily as within a 24 hour time frame. This is not a single time frame but applies to all the stages of the sample life cycle. It applies to all sample levels, not just QC or PC. VT, IV and RT must be processed in a timely manner so that comparison packages can be created to determine if resolution is needed. Data Reviewers and PAs should double check all sample dates – date sample taken, date received and date(s) test(s) performed.

Sample action	Required Turnaround Time	Example
Material is taken for a sample	Sample must be logged in MAC within 24	A soils sample taken on 10/01 must be
	hours	logged into MAC by 10/02.
Physical sample is received	Sample must be received in MAC within	A company drops a soils sample on the lab
at a laboratory	24 hours of the sample being physically	loading dock on 10/3. Sample must be
	received by the lab	received in MAC no later than 10/4 (but
		designated that it was received on 10/3).
For samples that are auto-re the same day it is sampled a	and tested.	Received if the sample is not created on
Test(s) performed	Each test's data must be entered in MAC	A concrete sample is tested for ASTM C39
	within 24 hours of the test being	on 10/4. Results must be entered into MAC
	performed	no later than 10/5.
When test data entry selects day.	s perform multiple tests, do not select an	y tests not being performed on the same
Data Reviewer reviews test	Sample must be submitted to FDOT for	Data Reviewer reviews the same concrete
data & submits sample to	verification within 24 hours of the last	sample listed above and submits no later
FDOT	test being entered.	than 10/6.
PA finalizes sample	PA should review and finalize sample	
	within 24 hours of the Data Reviewer	
	submitting the sample	PA reviews and finalizes or returns
PA returns the sample for	PA should review and return sample	concrete sample no later than 10/7.
sample or test corrections	within 24 hours of the Data Reviewer	
	submitting the sample	
PA creates comparison	PA should create the comparison	PA finalizes VT concrete comparison
packages	package no later than 24 hours after the	sample on 10/7. PA should immediately
	last comparison sample (either the	create comparison package, but no later
	original or verification sample) is	than 10/8 in case of a non-comparison so
	finalized.	that resolution can be initiated.
Resolution is performed	All sample turnaround times apply to	Concrete sample comparison package
	resolution samples.	consist of CC20001Q, CC20002Q and
	PA should finalize and add resolution to	CC20002V
	the comparison package no later than	Comparison status is Does not
	24 hours after resolution sample is	Compare. Specification Section 346
	submitted to FDOT for verification.	states that resolution must be
		performed within 14 days of the
		acceptance test (10/4)
		Resolution must be completed by 10/18
		Results must be entered by 10/19
		• Sample must be submitted to FDOT by 10/20 and finalized by 10/21
		• Sample should be included in the
		comparison package immediately, but no later than 10/22
		Associated samples CC2003Q and
		CC20004Q can be included later

Chapter 3 – Sample Login

A. Creating a Sample

You must be in your company roles to create a sample.

To log in a sample:



1. Select the Manage Samples option from the MAC menu.

You will be navigated to the Sample screen.

Submit Multiple Samples to FDOT	My Samples
	Submit Multiple Samples to FDOT

2. Select the Create Sample Login option.

The Create Sample Login dialog box will appear. A red or orange star (*) indicates a required field. These instructions will only cover the basic fields that may appear on every sample. See <u>Chapter 4 – Sample Login Field Summary</u> for a description of each field.

l	Create Sample Login	×
	Sample Category Project 3	
l	Contract/Project T1805 / 439431-1-52-01: SR 80 FROM LEE COUNTY LINE T × 4	
l	Pay Items	
l	€	
l	Material/Specification 5	
l		

3. **Sample Category** – this field defaults to Project. Leave it as is for project samples.

	16565
м	T6565 / 443898-1-52-02: SR 5/OVERSEAS HWY. FROM MM 19.4 T 19.8 AND MM 20.6 TO 23.1
	T6565 / 443920-1-52-03: SR 5/OVERSEAS HWY. FROM MM 26.2 T MM 27.4
	T6565 / 443920-1-52-04: SR 5/OVERSEAS HWY. FROM MM 26.2 TMM 27.4

4. **Contract/ Project** – enter the Contract or Financial Project Number (FPN) in the Contract/Project field. The field will search on either entry. From the returned search results, select the appropriate entry.

NOTE: There are entries available for selection that do not apply to MAC. You should not select entries that are not appropriate in MAC. Use more characters in the contract/project field to filter out these entries. For example, do not select an FPN with a "32-01" in it.

NOTE: Sometimes an FPN has two contract ids associated to it. This means that there are two contracts associated to the FPN in the system of record, not in MAC. Most of the time this is caused by a data entry error in the system of record. When an FPN is on more than one contract, the PA must notify a system administrator or DAC. Data Entry personnel must use care in selecting the appropriate contract.

eate Sample Login	Li Li
Sample Category Project	
Contract/Project	Pay items
42906015201 × *	Type Pay Item Number/Description
M ST N TO W OF GANDY BLVD T7379 / 429060-1-52-01: SR 686 (ROOSEVELTYTKE WOO 28TH ST N TO W OF GANDY BLVD Make sure y	you select the right contract!

NOTE: If you attempt to create a sample on a contract that a Project Materials Certification Letter (PMCL) has been generated, you will receive an error.

ERROR: Samples cannot be created at this time for Project 405492-8-52-01. Its Material Certification has been completed. If Samples need to be created for this project, its Material Certification must first be reopened.	
Save Save and Submit	

NOTE: *The Construction Project Administration Manual (CPAM) Section 11.6* designates that asphalt samples on projects with more than one FPN should be entered under the primary FPN. For consistency, the asphalt plant records should also be entered under the primary FPN in MAC only. Do not select Additional Project(s) for asphalt samples.

After you select the FPN, more fields will appear on the Create Sample Login screen.

5. **Material/Specification** – you do not have to enter the fields in the order they appear on the screen. The pay item field comes next, but it is better to select the Material/Specification before selecting the pay item. Select the appropriate Material/Specification from the dropdown list.

NOTE: On a sample for a standard JGS, materials on an FPN on the contract, but not on the FPN selected in field #4 should appear in the Materials/Specifications dropdown. It is a distinct list of all materials on all FPNs on a contract for standard JGS.

NOTE: All materials assigned to the contract on the JGS will be available for selection in this field, but some may not have samples to be logged into MAC. If you select a material that does not have MAC entries, you will see this error message. It states that there are no Sampling Method of Acceptance requirements on the MAC Spec. That does not mean that there are no Method of Acceptance requirements. For example, Specification Section 347 Method of Acceptance is the delivery ticket which is not logged into MAC. There is a MAC Spec 347 describing the delivery ticket and frequency. If you attempt to log a sample in with the delivery ticket, you will see this message.

Method of Acceptance Currently there are no Methods of Acceptance setup for Sampling in this Spec	
---	--

6. **Pay Items** – pay item selection is **OPTIONAL** and multi-select. If a sample represents more than one pay item, you can select more than one entry.

NOTE: For contracts with one pay item, like Lump Sum (999) and Design Build (50) or contracts with no pay item, **DO NOT select** a pay item.



With this information, the system knows which login screen to display. The Continue to Sample Information Screen option will appear in the dialog box.

ample Category	
Project 🗸	
ontract/Project T1805 / 439431-1-52-01: SR 80 FROM LEE COUNTY LINE T ×	
11003 / 439431-1-32-01. SK 60 FROM LEE COONTH LINE T	
ay Items	
	v
aterial/Specification 346 - Structural Portland Cement Concrete	×
540 - Sudctaral Pordand Centent Concrete	
IAC Spec	
346 - Structural Portland Cement Concrete, Supplemental Specifica	tion, 01/2020, v1.14
Continue to Sample Information Screen	

7. **Continue to Sample Information Screen** – select this option to display more of the sample login screen.

As selections are made, more fields appear. A field will default when there is only one value for that field.

MAC Spec	
346 - Portland Cement Conc	rete, Supplemental Specification, 01/2009, v1.8
Contracts/Projects	
T7220 / 408459-2-52-01: I-7	5 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNS)
T7220 / 408459-3-52-01: I-7	5 (SR 93A) FROM N OF BB DOWNS(CR581) TO SR 56
Pay Items	
0400 4 1 - CONCRETE CLA	SS IV, CULVERTS
0400 4 5 - CONCRETE CLA	SS IV, BRIDGE SUBSTRUCTURE
← Return to Material Selection Sc	een
Sample Info	
	Sample Level
Method of Acceptance	
Method of Acceptance Sampling And Testing	

8. **Sample Level** – select the Sample Level for the sample.

If the MAC Spec has categories, the next field that will appear is Category.

Sample Info					
Method of Acceptance Sampling And Testing	Sample Level	Category	9	✓ ★	

9. **Category** – this field is a combination of category and type for MAC Specs that have categories and types, or just category for MAC Specs that only have categories.

What is a category and a type? A category is a way to subdivide the MAC Spec into appropriate samples. A type is a subdivision of the category. Not all MAC Specs need subdivision. What is used as category and type depends on the MAC Spec so there is no standard definition. MAC Spec 334 has no categories and types because the samples can be divided by Sample Level.

NOTE: There could be different requirements for each category, type, and purpose. This selection determines the tests assigned to the sample and the limits for pass/fail assigned to each test.

Sampled By Tech	Da	te Sample Take	n
Type Technician Nat 10 r TIN	*	(11)	*

10. **Sampled By Tech** – enter the name or TIN of the technician who took the sample. In cases where a qualified technician is required, the field will accept a name or a TIN to search the CTQP database and return possible technicians. If the sample does not require a qualified technician, you can enter the sampler's name as a text field. The system will not interface with the CTQP database if the sample does not require a qualified sampler.

NOTE: If the MAC Spec requires a qualified sampler, the person must have at least one qualification in the CTQP database and stored in MAC to appear on the list. If the person who took the sample is not qualified in anything (doesn't have a TIN), the sample cannot be used for acceptance and must be discarded. A new sample must be taken by a qualified person.

This does **NOT** mean that the person must be qualified in the qualification area required by the MAC Spec to get the sample in the system. If the person has a TIN in the CTQP database, the sample will accept the entry, then check to see if the person is qualified in the qualification area the MAC Spec requires on the date the sample was taken.

If the person is not qualified in the appropriate qualification area at the time the sample was taken, the sample will be flagged with an unqualified TIN message. If the technician who took the sample is not qualified in the qualification area required at the time the sample was taken and it is not a data entry error, this is an Exception on the Project Materials Certification Letter (PMCL).

Method of Acceptance Sampling And Testing	Sample Level QC	Category Class IV	/ (5500 PSI) /	Conventional	Structural Concre 26-999 - ABC
Sampled By Tech Da F12345678	Message from webpage		×		
FDOT Sample # (CC400010		OK	Vard(s)	Batch/Delivery	Ticket #

If you see this message, review the qualifications in the CTQP database to confirm it is true. The technician may need to contact the CTQP Administrator and provide additional information, such as proof of prerequisites or coordinate if the same technician inadvertently has multiple TINs. When the data is updated in the CTQP database, MAC will receive the updates in the nightly refresh. In some cases, this will remove the unqualified sampler flag. In other cases, the sample may need to be returned for sample corrections (Chapter 15, <u>C. Returning a Sample for Sample Data Correction (PA)</u>) to reenter the flagged TIN with the corrected TIN.

11. Date Sample Taken – enter the date the sample was taken or select it from the calendar.

FDOT Sample # (CC40001Q)	Quantity Represented	Unit of Measure Start typ14, code value
LOT#	*	
16		

12. **FDOT Sample #** – enter the FDOT Sample #. Some materials have a sample numbering system. In most cases, the display will show an example of the numbering system as shown in the screenshot above. Other materials do not have a numbering system and any sample numbering can be used.

13. **Quantity Represented** – enter the quantity that sample represents in the Quantity represented field. For example, if the sample quantity represented is 50 cubic yards, enter 50.

14. **Unit of Measure** – enter the unit of measure that sample represents in the Quantity represented field. For example, if the sample quantity represented is 50 cubic yards, enter Cubic Yard(s).

15. **LOT #** – enter the Lot # in the field.

16. **Intended Use** – enter the intended use, if desired.

Testing Lab	Testing Lab Testing Lab ABC X COABC1 - ABC Road Company Loca
-------------	--

17. **Testing Lab** – the testing lab can be entered using either the lab facility id or the description. Select the appropriate entry from the returned list.

Location information may or may not appear on the sample login. It may not be required if it does appear. The location information becomes critical if the sample has issues that need to be addressed in the Materials Acceptance Resolution (MAR) process. Because it is not known at the time the sample is taken if there will be issues, the best practice to include location information even if it is not required as long as it appears on the login screen. Some Project Administrators may require the information on any sample with location fields even when they are not required by the system.

ocation Info					
Sampled From					
Road Number Start typing roa	idway id 19 descrip	tion to get list of r	oadways	Latitude	Longitude 21
Station Sampled	Station From	Station To			
Reference Line		Offset Distance	Offset Direction		
Reference Line	25 V	Offset Distance	Offset Direction		

18. **Sampled From** – enter information regarding where the sample was taken; for example, stockpile or truck mixer.

19. **Road Number** – enter the appropriate RCI Roadway Id and select it from the returned list. This field is connected to the Roadway Characteristics Inventory (RCI) database and can be found on the project key sheet:



20. **Latitude** – enter the latitude location where the sample was taken in the Latitude field. This field is used in conjunction with the Longitude field to pinpoint the exact sample location.

21. **Longitude** – enter the longitude location where the sample was taken in the Longitude field. This field is used in conjunction with the Latitude field to pinpoint the exact sample location.

22. Station Sampled – enter the station where the sample was taken.

23. Station From – enter the beginning station location of the area represented by the sample.

24. Station To – enter the ending station location of the area represented by the sample.

25. **Reference Line** – select the controlling line of the project as shown in the plans. If the option used is not listed on the dropdown list, make a comment in the comments section describing the reference line.

26. Offset Distance – enter the offset distance in feet.

27. Offset Direction – select the offset direction from the dropdown list.

Contact Info Contact Name	Cell Phone #	Office Phone #	Email	*
Comment				
Comment		31		
		ļī.		

28. **Contact Name** – enter the name of the sample contact person. This may or may not be the same person as the sampler. It is a person the laboratory can call or email if there are questions about the sample.

29. **Phone Number(s)** – enter either the Cell Phone # or Office Phone # of the contact person (#28) in the appropriate field. Only one is required. As soon as one is entered, the other required field designator disappears. Both can be provided for informational purposes.

30. Email – enter the email address of the contact person.

31. **Comment** – enter any comments about the sample you wish to make. If you do not make a comment now, you will be able to add comments later under the comments tab if your company or system roles have custody of the sample. See <u>Chapter 11 – Sample Comments</u>.

Document		
Choose File No file cho	osen	
Description	36	
		37 Save Save and Submit

32. **Document** – to attach a document, click on the Select File option.

The Open dialog box will appear.

Organize • New folder	r			· · □	0
Favorites Favorites Desktop LUMS MAC Downloads Se Recent Places	320	Name means of control and more prime MAR and QC Straightedge Samples Staf Jamobaty 650600	Dem type UCAA Time DOCX File DOCX File DOCX File Nuance Power PD Nuance Power PD	Date modified 9/23/2010 11:30 A 8/23/2016 11:25 A 8/23/2016 9:59 AM 8/23/2016 9:49 AM 8/23/2016 9:49 AM	
Desktop Deutraries Documents Music Netures Videos Nusser	 13 KB 15 KB 2 KB 31 KB 15 KB 2 KB 2 KB 2 KB 1,40 40 KB 87 KB 	n 204020 DMRE Vinus Statio 2015 GRRJ Contractor Training breakdown by time period Gol Obtering Earthmork MAC System Administrator Database Specialist Interview Questions Copy of UMS to MAC	Nuance Power PD XLSX File Shortout Nuance Power PD DOCX File Shortout Nuance Power PD DOC File XLS File	8/23/2016 8:04 AM 8/22/2016 1:07 PM 8/15/2016 1:57 PM 8/15/2016 1:34 PM 8/15/2016 1:34 PM 8/10/2016 2:17 PM 8/3/2016 7:54 AM 7/28/2016 3:45 PM 7/26/2016 3:45 AM	
SDisk (C) File nam	уйра 3 КВ Эйра 3 КВ	GoToTraining GoToWebinar	Shortcut	7/19/2016 3:00 PM 7/19/2016 3:00 PM	

- 33. Navigate to the location where the document is stored.
- 34. Click on the document to select it.
- 35. Click on the Open option to upload the document to the sample.
- 36. **Description** enter a description of the document, if desired.

The document will appear as attached to the sample. Some samples will require a document attachment. If you don't attach a document at this time and one is not required, you can add documents to the sample later. See <u>Chapter 12 – Sample Documents</u>.

37. Save and Submit -

a. **Save** – select Save if you are not ready send the sample for testing and want to save the data you have entered so far.

b. **Save and Submit** – select Save and Submit if you are ready to send the sample for testing (lab samples) or to enter test results (field samples). If you select Save, the sample will be designated as Logged and will need to be Submitted for Testing in order for the test results to be entered on the lab tests.

B. Logging in a Sample for a Work Order Nonstandard JGS (NSJG)

When a sample under a Work Order NSJGS is logged in, the Create Sample dialog box looks slightly different, especially when there is more than one Work Order NSJGS for the same FPN.

X (SR 91) (MP 239-242 × Uork Order	× *	
2	~	
K	K (SR 91) (MP 239-242 * 1	K (SR 91) (MP 239-242 * 1 ×

1. **Work Order** – Select the appropriate Work Order entry from the dropdown. You must select this field first when logging in a sample for a NSJGS with work orders.

2. **Pay Item** – do not select a pay item for a Work Order sample.

NOTE: Because Work Orders may have the same material(s) but different Begin Dates, therefore different MAC Supplemental Specifications, the Work Order field must be selected first. If there is only one Work Order NSJGS entry, this field will default to the single entry.

The Material/Specification field appears when the Work Order has been selected.

eate Sample Login				
Sample Category Project ~				
Contract/Project		Vork Order		
E8U09 / 441224-4-52-01: WIDEN TPK	SR 91) (MP 239-242 ×	WO01 - Earthwork ~		
Pay Items				
Pay Items			~	
			v	
			v	
Material/Specification			v	
Material/Specification			~	
Material/Specification			v	
Material/Specification 3 120 - Excavation and Embankment			v	
120 - Excavation and Embankment 160 - Stabilizing			 v	

3. Material/Specification – select the appropriate Material from the dropdown.

From this point, the sample login is the same as previously described.

C. Viewing the Sample Transmittal Information for Print

Many laboratories require the Sample Transmittal Information report with the MAC Sample Id be attached to the sample.

View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	View History	
---	---	--------------	--

1. Select the View Sample Transmittal Information for Print option.

When the information is download, a dialog box will appear. The appearance of the dialog box is a function of the browser you are using.



2. Select Open to open the report in pdf format.

The report will open in the application that is your default pdf file reader. The MAC Sample Id is automatically generated on the report. The report may be more than one page. Be sure to include all pages with the sample.

		Elorida Departm	ent of Transportation	
		Contraction of the second	and Certification (MAC)	
		Sample Transmittal	I Information [3/17/2017]	
Sample 1600033482 [Submitted for Lab Testing]			
Sample 1600033482 [Sample ID	Submitted for Lab Testing] Sample Status			_
				_

D. Viewing the Sample Certificate of Analysis

The Sample Certificate of Analysis is a standard report that can be found on the MAC reports menu. Because it is a useful report for the sample life cycle, you can also generate the Sample Certificate of Analysis report from the sample screen without having to navigate away from the sample to the Reports screen.

ample Login from this Sample View Sample Transmittal Information for Print View Sample Certificate of Analysis for Print V	fiew His
--	----------

1. On the sample screen for a specific sample, select the View Sample Certificate of Analysis for Print option.

A download dialog box will appear. The appearance of the dialog box is a function of the browser you are using.

Do you want to open or save CertificateOfAnalysis_64013.pdf (128 KB) from fdotews1.dot.state.flus?	Open 📐	Save	•	Cancel	×

2. Select the Open option to open the report in pdf format in the default application for pdf files.

The report will open in the default pdf application on your computer. Depending on where the sample is in the sample life cycle, some fields may not be populated. For example, if the sample is awaiting testing, all or some of the test result fields may be blank.

FDOT		Generated: 4/24/20	017 10:34:58 AM
FDUIS	e Certificate Of	Analysis	
	C Sample ID: 17000		
FDOT State Materials Office, 500	07 N.E. 39th Avenue, Ga	inesville, FL 32609 (352) 955-6600	
Project No.: 40845925201		BC Road Company	
Contract ID: T7220		3 North Main Street anesville, FLORIDA 99999	
Pay Item.		52) 955-6669	
Material: 346 Sample Level: QC	L	b ID: C0ABC1	
FDOT Sample Number: CC40002Q			
Mix Design: 02-9998			
Mix Type: Class IV Drilled Shaft (4000 PSI) / Conve	entional		
Production Facility ID: 26-899			
Source Facility: Manufactures	r.		
Lot: 2 Sub Lot: Load No:			
Product: Process:			
Aggregate Sample Type:		Date Sample Taken: 2/21/2017 By I	F12345678
Sample Status: Submitted for Lab Testing		Submitted for Lab Testing:	
Comparison Status:		Received: 4/3/2017 By S	usan Musselman
Resolution Status:	Submitted for	FDOT Verification:	
		Finalized.	
STM C1064 Temperature of Freshly Mixed Portian oncrete	d Cement	Test Status: Ready for Testing	1
ested: By:			
echnician Qualification Status:			
Test-Rep#1	Assay Results	Primary Limits	
Temperature:		Temperature <= 100, Temperature <= 85 when Mix Desig value Hot Weather Plag is 110'	n
STM C143 Slump of Hydraulic Cement Concrete		Test Status: Ready for Testing	2
ested. By.			
echnician Qualification Status:			

Chapter 4 – Sample Login Field Summary

Because sample login screens are created dynamically on the MAC Spec, there is no standard login screen. There is a defined number of fields that can appear on a login screen, but no login screen has them all. This chapter describes the fields and the data that is expected in each field.

NOTE: ERS field samples are direct data entry. For remote contracts or loss of MAC connectivity, use QC and VT ERS Forms (*Form No. 675-020-27* and *Form No. 675-020-28*).

	Create Sample Fields	
Field	Data	Comment
Sample Category	Project, Program, Research	Defaults to Project.
	Project Sample Category Fields	
Contract/Project	A search field for all contracts and projects in the Work Program.	Since the system retrieves ANY valid FPN, users must be careful to ensure they are selecting the appropriate FPN. For asphalt samples, select the primary FPN.
Pay Items	A search field for the pay items that are on the FPN(s) in PrC.	This field is optional. Samples can represent multiple pay items Do not select for LS/DB/LAP jobs.
Material/Specification	A search field for the MAC Specs assigned to the JGS.	If the material is not on the JGS, it will not appear.
	Sample Info	
Field	Data	Comment
Method of Acceptance	A dropdown list that appears when the MAC Spec selected has both Certification and Sampling and Testing MOAs.	
Sample Level	A dropdown list containing the sample levels assigned on the MAC Spec.	
Category/Type	A dropdown list containing categories or categories and types if the MAC Spec selected has them.	If the MAC Spec has Categories and Types, the fields are concatenated into one selection.
Sample Purpose	A dropdown list containing sample purposes if the MAC Spec selected has them.	
[Material Type] Production Facility	A search field that searches on the production facility id or description.	Field can be restricted to a specific material type.
Mix Design	A search field that appears after the production facility is selected.	Restricted to the mix designs for the company of the production facility.
Mix Design Free Text	A free text field to type in the mix design number when it is not a mix design in MAC.	Used for materials like auger cast pile grout and building concrete.
Manufacturer	A free text field to type in the name of the product's manufacturer.	
APL Product	A search field connected to the APL.	

A. Sample Login Screen Fields for Project Samples

Field	Data	Comment
Sampled By Tech	A search field for the Name or TIN in CTQP if MAC Spec requires a qualified sampler.	A sample login will have either the Sampled By Tech or Sampled By field, never both.
Sampled By	A free text name field if the MAC Spec does not require a qualified sampler.	
Date Sample Taken	The date the sample was physically taken.	
Higher Class in Lieu of Lower Class	A check box on structural concrete samples that is used to designate that a higher class of concrete was substituted for a required lower class.	Selecting the check box causes Lower Class field to appear.
Lower Class	A dropdown list with concrete classes to indicate the lower class the material represents. Make sure to select a class lower than the one used in the category/type field.	Results are compared to both targets & limits & assigned two test dispositions. The limit for the lower class is used for the acceptance.
Proctor Sample	On ERS field density samples, the MAC Sample Id of the proctor sample for the material being tested for compaction is entered.	Must be in the same MAC Spec as the field density. Sample must have a standard, modified proctor or pit proctor reporting test.
Load Number	A free text field to enter the load number.	
FDOT Sample Number	A free text field to enter the FDOT Sample Number.	
Quantity Represented	A numeric field to enter the number part of the quantity represented field.	For example, if the quantity represented is 50 Cubic Yard(s), enter 50.
Unit of Measure	A search field to enter the measured unit part of the quantity represented field.	For example, if the quantity represented is 50 Cubic Yard(s), enter Cubic Yard(s).
Batch #	A free text field to enter the manufacturer's batch number. This is not the same as the batch/delivery ticket #.	
Batch/Delivery Ticket #	A free text field to enter the producer's delivery ticket number.	This is normally used for the delivery ticket number for structural concrete.
Heat/Coil No.	A free text field for reinforcing materials to enter the steel heat number or coil no.	
LOT #	A numeric field to enter the lot number the material represents.	
Sample Quantity Required No Density	Tonnage for the Lot not requiring Density.	For example, if the quantity represented is 50 Tons, enter 50.
Sample Quantity Required No Density Unit of Measure	Ton(s)	For example, if the quantity represented is 50 Tons, enter Ton(s).
Sublot #	A dropdown list of 1, 2, 3, or 4 to designate the asphalt sublot the sample represents.	Asphalt is the only material with sublots.
Alternate Density Sublot Number	A dropdown list of N/A, 1, 2, 3 or 4 when the cores were taken in a different sublot from the Sublot # field above.	Selecting this field triggers programming in the comparison package and CPF calculations.
Intended Use	A free form text field to provide details of the material's use.	
Point of Sampling	A dropdown list with selections of common sampling points.	
Wall #	A free text field for the Wall # from the contract plans.	
Bridge #	A free text field for the FDOT bridge #.	
LOTs represented	A free text field for all the lots the sample represents.	

Field	Data	Comment
Soil Description	A description of the soil for Soils samples	Examples: Tan silty sand (Pond A).
	that includes color, texture (sometimes sampling area).	Gray sand with traces of dark organic matter (Pond B)
Witnessed By Company	The company of the VT technician who	Used for Rolling Straightedge
	witnessed the QC rolling straightedge or	samples for contracts let on or after
	thickness sample.	July 1, 2020.
	Ride Acceptance Sample Fields	
Date Requested	The date the laser profile is being	If the test is being requested to be
	requested.	performed on 01/01/2020 at 10:00 AM, enter 01/01/2020.
@	Time the laser profile is being requested.	If the test is being requested to be
		performed on 01/01/2020 at 10:00 AM, enter 10:00 AM.
Paving Time	Dropdown list to indicate if project paving	
	time occurred in the daytime, at night or	
	both.	
Design Speed	Dropdown list to indicate the roadway's design speed.	
Date Scheduled	Date field available upon sample receipt to	If the test is being scheduled to be
	indicate the actual date the test is	performed on 01/01/2020 at 10:00
0	scheduled to be performed.	AM, enter 01/01/2020.
@	Time the laser profile is being scheduled.	If the test is being scheduled to be performed on 01/01/2020 at 10:00
		AM, enter 10:00 AM.
	Location Info	
Sampled From	A free text field to enter the location the	Acceptable values can be a station
	sample was taken from.	number (although the Station
		Sampled field represents this too), truck mixer, stockpile, etc.
Road Number	A search field connected to the Roadway	It is an 8-digit number usually ending
	Characteristics Inventory (RCI) database. Can be found on the project key sheet.	with 4 zeros; for example, 87030000
Beginning Mile Post	A free text field to enter the beginning mile	For example, if the sample
0 0	post that the material represents.	represents material from MP 1.003
		to MP 1.015, enter 1.003.
Ending Mile Post	A free text field to enter the ending mile post	For example, if the sample
	that the material represents.	represents material from MP 1.003 to MP 1.015, enter 1.015.
Latitude	A free text field to enter the latitude where	For example, if the sample was
	the sample was taken.	taken at 21.23568, -81.54321, enter 21.23568.
Longitude	A free text field to enter the longitude where	For example, if the sample was
	the sample was taken.	taken at 21.23568, -81.54321,
		enter -81.54321. The minus sign is
		important.
Station Sampled	A station formatted field to enter the sample	If the sample was taken from
	location where the sample was taken.	station 1014+88, enter 101488 and MAC will input the + between the 4
		and the first 8.

Field	Data	Comment
Station From	A station formatted field to enter the	
	beginning station number that the material	
	represents.	
Station To	A station formatted field to enter the ending	
	station number that the material represents.	
Lane	A dropdown field to indicate the roadway	
	lane that the sample was taken from.	
Reference Line	A dropdown field to indicate the surveyed	This must be a controlling line of
	line that was used to designate Station	the project as shown in the plans. If
	Sampled, Station From, Station To, Offset	the option used is not listed on the
	Distance and Offset Direction.	dropdown list, select "Other" and
		make a comment in the comments
		section describing the reference
		line. It must be a valid survey line
		that can be relocated if needed.
Offset Distance	A numeric field to enter the distance from the	
Unset Distance		
Offect Direction	reference line that the sample was taken.	
Offset Direction	A dropdown field to indicate if the sample was	
	taken to the right of the reference line or to the	
	left of the reference line.	
2	Contact Info	
Contact Name	A free text field to enter the name of a person	It should be someone with enough
	who can answer questions about the sample	knowledge about the sample and
	if questions arise.	material requirements to answer
		questions from the laboratory
		receiving the sample.
Cell Phone #	A phone formatted field to enter the contact	A phone formatted field means if
	person's cell phone.	the phone number is (555) 123-
		4567, enter 5551234567 and MAC
		will format it for you.
Office Phone #	A phone formatted field to enter the contact	Only one is required, office or cell.
	person's work phone.	When you enter one, then the other
		field is no longer designated as
		required.
Email	Enter the contact person's email address.	
	Comments	
Comment	A free form text field to enter additional	
	information about the sample that is not	
	conveyed in the fields on the login screen.	
	Documents	
Select File	Use this option to navigate to the file location	
	to upload the document into MAC on the	
	sample record.	
Description	A free for text field to enter additional	
Description		
	information about the document	

B. Sample Login Screen Fields for Certification Documents

For samples created to attach a certification, certified test report or certified mill analysis for the SMO review, the login screen is brief.

Field	Data	Comment
APL Product	Search field connected to the Approved Products List (APL).	
Intended Use	Free text field to describe the use of the product.	
Testing Lab	This is always defaulted to the SMO lab Id (DSM001) so the user does not need to select a lab.	
Contact Name	A free text field to enter the name of a person who can answer questions about the sample if questions arise.	It should be someone with enough knowledge about the sample and material requirements to answer questions from the laboratory receiving the sample.
Cell Phone #	A phone formatted field to enter the contact person's cell phone.	A phone formatted field means if the phone number is (555) 123- 4567, enter 5551234567 and MAC will format it for you.
Office Phone #	A phone formatted field to enter the contact person's work phone.	Only one is required, office or cell. When you enter one, the other field is no longer designated as required.
Email	Enter the contact person's email address.	
Comment	A free form text field to enter additional information about the sample that is not conveyed in the fields on the login screen.	

Chapter 5 – Creating a New Sample from an Existing Sample

A feature in MAC is the ability to create a new sample from an existing sample. This can be used for any sample that your company has custody of and is especially helpful for samples like the resolution cylinders for structural concrete. QC Data Entry can use the QC sample to create the QR sample and VT Data Entry can use the VT sample to create the VR sample.

NOTE: Do **NOT** use this feature on **any** samples on an ERS project. The ERS project sample life cycle is abbreviated and many features are automated. By using this process, you will not be able to take advantage of the abbreviated sample life cycle and automation.

A. Issues with Creating a Sample from another Sample

Before you attempt to create a sample from another sample, there are a few things you need to be aware of when using this function.

1. You cannot create a sample from a sample that was not created by a user in your company.

2. Sometimes when you create a sample from a sample in a different MAC Spec category, type, sample purpose or sample level, you may receive an error message about not being able update certain fields.

ERROR: Intended Use cannot be set	
	Save Save and Submit

This means that the original sample has a required field and the copied sample does not have the field. In this example, the original sample had Intended Use as a required field. The sample being created does not have the Intended Use field so MAC has no place to populate the required data. If you see this error message, you should create the new sample from a sample that is the same category / type or create the sample normally.

B. Creating a Sample from another Sample

NOTE: It is helpful to click on the Materials tab to expand it on the sample being copied if the new sample has the same MAC Spec as the copied sample. Do this before you perform the next steps.

	Create New Sample Login from	n this Sample View San 당	nple Transmittal Information for Print	View Sample Certificate of Analysis for Print	View History
--	------------------------------	-----------------------------	--	---	--------------

1. On the sample you wish to copy from, select the Create New Sample Login from this Sample option.

A Create New Sample Login from this Sample dialog box will appear.

Material Information		Click to Collay
Sample Category Contracts Projects Project T1552: CRS CONTRACTS [CONTI CORPORATION] 406314-7-52-01: I-75 JACARANDA	BLVD LAUREL ROAD	
Pay Items	Create New Sample Login from this Sample	×
Material MAC Spec 346 - Portland Cement Concrete, Supplemental Specification, 01/2013, v2.1	Material/Specification	
Sample Information	346 - Portland Cement Concrete	
Laboratory Information	[345 - Fortland Cement Concrete, Supplemental Specification, 01/2013, v2.10 ▼] CentractProject [11522:4053147-52.01: 175 JACARANDA BLVD LAURE] ¥	
Location Information	Pay items	
Contact Information	Continue to Sample Information Screen	
Sample Comments [0]	La La	

2. **Material/Specification** – because the header information for the new sample may be different, you will need to select the MAC Spec for the new sample.

3. Make any other changes as needed.

4. **Continue to Sample Information Screen** – select this option to get the appropriate sample login screen.

The Create New Sample Login from this Sample dialog box will expand. It will be populated with the Sample Info, Testing Lab, Location Info and Contact Info from the original sample.

ample Info				
ampie inio				
Method of Acceptance Sampling And Testing	Sample Level Category QC V Class II (340)	00 PSI) / Conventional	~	Structural Concrete Production Facility 26-999 - ABC Road Company Training Cc
Mix Design Allow 02-9997 V	any Approved Mix Design			
Sampled By Tech	Date Samp			
Bran Stark [F12345678]	× * 2/22/20)17		
Higher Class in Lieu of Lower Clas	IS			
FDOT Sample # (CC40001Q)	Quantity Represented Unit	of Measure	Batch/Delivery Tick	uet #
CC20001Q	50.00 C	Cubic Yard(s)		
LOT #				
1				
Intended Use				
Intended Ose				
		^		
		~		
sting Lab				
ung cao				
Testing Lab				
C0ABC1 - ABC Road Com	pany 📐 🗶			
	~			

5. Make changes to the sample information as needed. For example, if you are using the QC structural concrete sample to create the QR sample because the QC and VT did not compare and now Resolution samples need to be entered and tested:

- a. Change the Sample level from QC to QR.
- b. Change the FDOT Sample Number from CXX000XQ to CXX000XQR.
- c. Change the Testing Lab from the QC lab to the Resolution lab.
- d. . If the contact person needs to be updated, make those changes as well.

All other information (date sample taken, LOT number, Category / Type, Mix Design, Production Facility) should be the same on both samples.

Any warnings created by this data will be shown at the bottom of the dialog box.

Select File 0 %	6	
Description ?		
	^	
	v	
A DhilbiCi. This is an Offlict Dre	duction Facility. Production Facility 26-999 - ABC Road Company Training Concrete Plant 2 is not i	and on the OOD
r this contract. 💫	Design. Mix Design 02-9997 is not listed on the QCP for this contract.	isted on the QCP

6. Read the warning messages, then click on X on the warning messages to acknowledge them.You may need to make changes to the data if the warning message is due to a data entry error.7. Select Save or Save and submit.

Chapter 6 – Sample Receipt

Laboratory samples that are not auto received must be received by a user in the company of the laboratory before test results can be entered. The sample can also be returned from the lab to the company of the person who created the sample, or it can be routed to another lab in the same company or a different company.

A. Sample Receipt

mple 1600033482 [Submitt	ed for Lab Testing	ม								Go To Sample Type Sample Id	
						Reopen for Data Entry	Submit for FDOT Verification	View Sample Transmittal Ir	formation for Driet	View Sample Certificate of Analysis for Print	View History
ample ID Sample S 1600033482 Submit	atus ted for Lab Testing					Neuper for Data Dility		wew cample matching in		Yest Sample Contrate of Analysis for Phil	view risky
	mple Initiated Date 12/1/2016	Last Updated By Kathleen Stellitan	Last Updated On 12/1/2016								
terial Certification 429883-1-52-01 [In Final	Review]										
Material Information											Click to Expand
Sample Information											Click to Expand
Laboratory Information			De la								Click to Collepse
										Route Sa	mple to Lab
Lab	Reason	for Routing	Status	Type	Date Sample Received	Comment					
DSM001 - State Material	Office Initial R	louting	Waiting on Receipt	Full			Acknowledge Sample Receipt	Request Additional Info	Return Physical S	ampie	
Location Information											Click to Expend
Contact Information											Click to Expand

1. On the sample screen of the sample you want to receive, click on the Laboratory Information tab to expand it.

2. Select the Acknowledge Sample Receipt option.

An Acknowledge Sample Receipt dialog box will appear.

^
~

3. **Date Received** – enter the date the sample was received. The sample may have been physically received at the laboratory on a different date than when you acknowledge it in MAC. For example, it was dropped off on Friday after 5:00 PM and you do not get to acknowledge receipt until Monday after 8:00 AM. Enter Friday's date on the dialog box. MAC will assign a system date when you acknowledge the sample.

NOTE: Update the sample received date to the appropriate date if the sample is auto received and created on a different day than the sample was received.

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- 4. **Comment** enter any comments, if desired.
- 5. Select Save to designate the sample as received.

NOTE: The sample status is updated to Submitted for Lab Testing as soon as the person who created the sample submits it. The sample status remains as Submitted for Lab Testing until the Data Reviewer selects the Submit to FDOT for Verification. To determine if the sample has been received or not, you need to look at the Lab Status.

Sample has not yet been received by Lab:

Sample IU Sample Status 1600033482 Submitted for La	ab Testing							
Sample Initiated By Sample Initia Kathleen Stellitano 12/1/2016		Last Updated On 0 12/1/2016						
Material Certification 429883-1-52-01 [In Final Review]								
Material Information								
Sample Information								
Laboratory Information								
Lab	Reason for Routing	Status	Туре	Date Sample Received	Comment			
DSM001 - State Materials Office	Initial Routing	Waiting on Receipt	Full			Acknowledge Sample Receipt	Request Additional Info	Return I

Sample has been received and is awaiting testing or is being tested.

Sample 10 Sample Status 1600017634 Submitted for Lab Testing Sample Initiated By Frederick Robinson Sample Initiated Date Last Updated By Daniel Lorusso Material Information Image: Comparison of Comparison	Last Updated On 10/20/2016	
Sample Initiated By Frederick Robinson Sample Initiated Date 10/19/2016 Last Updated By Daniel Lorusso Material Information		
Frederick Robinson 10/19/2015 Daniel Lorusso Material Information		
Sample Information Laboratory Information Lab Reason for Routing		
Laboratory Information		
Lab Reason for Routing		
DSM001 - State Materials Office Initial Routing	Status Type Dat	te Sample Received Comment
A REAL PROPERTY AND A REAL	Received Full 10/20/	2016 Update Received Date

Both have the status of Submitted for Lab Testing.

B. Updating the Received Date

If the received date is entered incorrectly, it can be revised if the sample has not been submitted to FDOT for Verification.

Route San	aboratory Information			N				
Lab Reason for Routing Status Type Date Sample Received Comment				L3				
								Route Sam
	1 mb	Person for Poution	Status 1	Turne Date Samuela Resoluted	Comment			
C0ABC1_ABC Pand Company Initial Paulina Peraluad Full 3/47/2017 Undete Devolved Date	Cau	Reason for Roubing	atatus	type Date sample Received	Comment			
	C0ABC1 - ABC Road Company	Initial Routing	Received I	Full 3/17/2017		Update Received Date		

- 1. Click on the Laboratory Information tab to expand it.
- 2. Click on the Update Received Date option.

An Update Received Date dialog box will appear.



- 3. Date Received enter the correct date or select it from the calendar feature.
- 4. Select the Save option to save the corrected date.

NOTE: For samples that are auto received, check the default date given by the system when the sample is created and update it to the appropriate date if the default is incorrect. This is essential for correct turnaround time reporting.

C. Request Additional Information (User in the company of a lab)

The lab personnel may have questions about the sample before they can begin testing. The Request Additional Information option allows the laboratory to put the sample life cycle on hold and request additional information from the company of the user who created the sample.

NOTE: In many cases, phoning or emailing the contact person will be sufficient. If you are not able to get the information from the contact person, the Request Additional Information option will allow you to designate on the sample that you need additional time to find the information needed to begin testing and stop the sample life cycle turnaround time for the laboratory.

l	5		
Contact Name	Cell Phone #	Office Phone #	Email
		(352) 955-6669	susan.musselman@dot.state.fl.us

1. On the sample screen, you can find the contact person's information by selecting the Contact Information tab to expand it. Here you can see the name, email, and phone number of the contact person.

rting	Status	Туре	Date Sample Received	Comment			
3	Waiting on Receipt	Full			Acknowledge Sample Receipt	Request Additional Info	Return Physical Sample

If you cannot get the information from the contact person and need to request additional information, click on the Laboratory Information tab to expand it.
 Select the Request Additional Information tab.

A Request Additional Info dialog box will appear.

mment The sample comments say that additional testing is needed, but the specific tests were not included. Please provide the test methods that need to be performed.	$\hat{}$
Save	

4. **Comment** – provide a comment describing the information needed to receive the sample and perform testing.

5. Select the Save option to set the laboratory status to Additional Info Required.

The sample status is set to Returned for Additional Information and will remain there until a user in the company of the user that created the sample responds to your request. D. Respond to Additional Information Request (User in the company that created the sample)

If the laboratory returns a sample for additional information, any user in the company of the user who created the sample can respond.

						Route Sample to Lab
iting	Status	Туре	Date Sample Received	Comment		
ĵ	Additional Info Required	Full			View Additional Info Comments	Acknowledge Sample Rece

1. On the sample screen of the returned sample, click on the Laboratory Information tab to expand it.

2. To see the lab's comments, select the View Additional Information Comments option.

An Additional Information Comments dialog box will appear.

Additional Info Comments for DSM001 - State Materials Office	¥
Susan Musselman	
The sample comments say that additional testing is needed, but the specific tests were not included. Please provide the test methods that need to be performed.	

3. Read the request. You may need to contact the contact person for the lab shown on the Additional Comments dialog box for clarification.

4. To close the dialog box and return the sample screen to respond, select the X on the top right corner of the dialog box.

Status	Туре	Date Sample Received	Comment				
Additional Info Required	Full			View Additional Info Comments	Acknowledge Sample Receipt	Submit Additional Info	Return

5. Click on the Submit Additional Info option to respond.

A Submit Additional Info dialog box will appear.

Please perform ASTM C494 and ASTM E1252	
	~
14	<u>_</u>

- 6. **Comment** enter your response.
- 7. Select the Save option to submit your response.

The sample will be returned to the lab status of Waiting on Receipt.

E. View Additional Info Comments (User in the company of a lab)

A user in the company of the lab can see the response for the Additional Information Request.

Status	Туре	Date Sample Received	Comment		
Waiting on Receipt	Full			View Additional Info Comments	Acknowledge Sample Receip

1. On the sample screen of the sample, select the Laboratory Information tab to expand it. 2. Select the View Additional Info Comments option.

An Additional Info Comments dialog box will appear with the original comment and the response.



At this point, you can receive the sample, make another request for additional information, or return the sample.

F. Returning the Physical Sample (User in the company of the lab)

There may be cases where the physical sample is sent to the wrong laboratory and by the time it is discovered, it may be too late to route the sample to another laboratory. If you determine that a sample has been physically delivered to the incorrect laboratory, you can designate the sample as returned to the company of the user who created the sample. Ensure that the physical sample is returned to the company.

Status	Туре	Date Sample Received	Comment				
Waiting on Receipt	Full			View Additional Info Comments	Acknowledge Sample Receipt	Request Additional Info	Return Physical Sample
_							

1. On the sample screen of the sample you wish to return, click on the Laboratory Information tab to expand it.

2. Click on the Return Physical sample option.

A Return Physical Sample dialog box will appear.

urn Physical Sample	×
Comment	
The testing on this sample requires it to be performed within 48 hours of the sample being taken. It was 7 days before the sample was delivered to our lab. We are returning the sample because it is no longer eligible to be tested.	
Save	

- 3. **Comment** enter the reason for returning the sample.
- 4. Select Save to designate the sample with a lab status of Returned.

5. Ensure that the physical sample is delivered to the company of the user that created the sample.

G. Addressing a Returned Sample (User in the company that created the sample)

A user in the company of the user who created the sample must deal with a sample with a lab status of returned. In most cases when a sample is physically returned to a company, the sample is no longer eligible for testing and must be deleted and a new sample collected (if possible). Contact your local DAC if you are unsure of what to do with a returned sample.

1. Resubmitting the Returned Sample

If a sample is returned to a company by mistake and there is still time left to send the sample back to the laboratory, the sample can be resubmitted.

Lab	Reason for Routing	Status	Туре	Date Sample Received	Comment		
- State Materials Office	Initial Routing	Returned	Full		1	View Additional Info Comments	Resubmit Sample

1. On the sample screen of the sample you want to return, select the Laboratory Information tab to expand it.

2. Select the Resubmit Sample option.

The sample will automatically be resubmitted to the laboratory on the sample and the lab status will be changed to Waiting on Receipt.

2. Routing the Returned Sample to a Different Lab

It is possible that a laboratory that cannot test a sample will decide to return it to the company that created it instead of routing it to a lab that can test it. When this is done, if time permits, the company that created the sample can route the sample to another lab as described in <u>H. Routing</u> a <u>Sample to Another Lab</u> below.

3. Deleting a Returned Sample

Sometimes when a sample is returned, it is no longer eligible to be tested. The sample must be deleted, and a new sample must be taken to replace the returned sample. Users in the company that created the sample cannot delete the sample. Contact the local DAC or a system administrator to have the sample deleted. If possible, have a new sample collected and log in the new sample to substitute for the returned, deleted sample.

H. Routing a Sample to Another Lab

If the sample needs to be sent to another lab to perform all or some of the testing, a user in the company of the laboratory can route the sample to another lab. To route a sample to another lab, the sample must first be received at the original lab.

aboratory Information	G							Chic
								Route Sample to I
Lab	Reason for Routing	Status	Туре	Date Sample Received	Comment			
DSM001 - State Materials Office		Returned			The testing on this sampl	View Additional Info Comments	Resubmit Sample	

1. On the sample screen of the sample you want to route to another lab, click on the Laboratory Information tab to expand it.

2. Click on the Route Sample to Lab option.

A Route Sample to Lab dialog box will appear.

oute Sample to L	ab	į.
Testing Lab	b n 3 or Lab ID to get a li:	
Sample Type		
Reroute Reason	<u>(</u>) ~	*
	Save	

3. **Testing Lab** – enter the Lab Id or Description of the lab you want to send the sample to in the Testing Lab field. Select the appropriate lab from the returned list.



4. **Sample Type** – select the Sample Route type.

a. Select **Full** if the new lab will test the entire sample. In most cases for a returned sample, this is the appropriate selection.

b. Select **Partial** if the old lab will test part of the sample and the new lab will test part of the sample.

Route Sample to Lab	×
Testing Lab D01001 - District 1 and 7 Materials Office	
Sample Type Full	
Reroute Reason	
*	
Between Lab Comparison Environmental Impact/Facility Issues Equipment Issues Field Test Complete Not Currently Qualified for Test Method Samples sent to incorrect Lab	
Tara Other	

- 5. **Reroute Reason** select the reason.
- 6. Select Save to reroute the sample.

I. Receiving a Routed Sample

When a lab routes a sample to another lab, a user in the company of the lab that the sample is being routed to must acknowledge the sample has been received by the routed to lab.

Laborator	ry Information										Click to Colleps
										Route Sa	ample to Lab
	Lab	Reason for Routing	Status	Туре	Date Sample Received	Comment					
AOABC	2 - ABC Road Company	Initial Routing	Auto Received	Full	4/3/2017		Update Received Date				
COABC	1 - ABC Road Company	Equipment Issues	Waiting on Receipt	Full			Acknowledge Sample Receipt	Request Additional Info	Return Physical Sample	Remove Sample Lab Route	
							4				

1. On the sample screen of the sample you wish to receive, click on the Laboratory Information tab to expand it.

2. Select the Acknowledge Sample Receipt option to receive the sample in MAC.

J. Remove Routed Lab

	Laboratory Information										Click to Collaps
L										Route S	ample to Lab
L											
L	Lab	Reason for Routing	Status	Type	Date Sample Received	Comment					
L	Lab	Reason for Routing	Status	Type	Date Sample Received	Comment					
	A0ABC2 - ABC Road Company	Initial Routing	Auto Received	Full	4/3/2017		Update Received Date				
	C0ABC1 - ABC Road Company	Equipment Issues	Waiting on Receipt	Full			Acknowledge Sample Receipt	Request Additional Info	Return Physical Sample	Remove Sample Lab Route	
										3	

If the sample was routed to your lab incorrectly, you can remove your lab as the routed lab id. 1. Select the Remove Sample Lab Route option.

A Remove Sample Lab Route dialog box will appear.



2. Select OK to remove your lab from the routing.
K. Sample Chain of Custody on a Full Reroute

When a lab selects Full Reroute, users in the original lab can still see the sample but cannot perform actions on the sample. The original lab does not have custody to enter test results or Submit the Sample to FDOT for Verification. The original lab on a sample that has sample type of Full cannot Acknowledge Receipt, Request Additional Information or Return the sample.

		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?
ASTM	C939 Flow of Grouts							
1	Initial Test	Lab				Ready for Testing	Optional	
ASTM	C403 Time of Set							
2	Initial Test	Lab				Ready for Testing	Optional	
ASTM	C940 Expansion and	Bleed						
3	Initial Test	Lab				Ready for Testing	Optional	
ASTM	C109 Compressive S	trength Cubes (Ceme	ent)					
4	Initial Test	Lab				Ready for Testing	Optional	
FM 5-5	516 Chloride in Concr	ete						
5	Initial Test	Lab				Ready for Testing	Optional	

The original lab will not be allowed to enter test results.

The rerouted laboratory must receive the routed sample for test result entry.

		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?		
		Lab or Field	Labib	Tester	Test Disposition	Test Status	Required	which test Rules?		
ASTM	C939 Flow of Grouts									
1	Initial Test	Lab				Ready for Testing	Optional		Perform Test	Mark Test Not Performed
ASTM	C403 Time of Set									
2	Initial Test	Lab				Ready for Testing	Optional		Perform Test	Mark Test Not Performed
ASTM	C940 Expansion and	Bleed								
3	Initial Test	Lab				Ready for Testing	Optional		Perform Test	Mark Test Not Performed
ASTM	C109 Compressive S	trength Cubes (Ceme	ent)							
4	Initial Test	Lab				Ready for Testing	Optional		Perform Test	Mark Test Not Performed
FM 5-8	516 Chloride in Concr	ete			10 ¹⁰					
5	Initial Test	Lab				Ready for Testing	Optional		Perform Test	Mark Test Not Performed
	g 1 to 5 of 5									

L. Sample Chain of Custody on a Partial Reroute

When the Sample Type of Partial is selected, MAC opens sample chain of custody to users in both companies of the laboratories. If both laboratories are in the same company, there is no obvious change for user access to sample life cycle chain of custody. If the laboratories are in different companies, any Data Entry user in either company can enter results on all tests. Any Data Reviewer in either company can submit the sample for FDOT Verification when the last test results are completed. MAC does not control sample chain of custody down to the specific test definition, rather both companies have full custody of the entire sample. The users in both companies **must** communicate with each other to ensure the Data Entry personnel and Data Reviewers are aware of which labs will perform which tests and when the sample is ready to be Submitted for FDOT Verification. The result entry for routed samples is covered in <u>Chapter 7 – Result Entry</u>.

The rerouted laboratory must receive the routed sample to be able to access the test definitions for test result entry.

Chapter 7 – Result Entry

A. Result Entry for Samples that are not Rerouted at Sample Receipt

For a laboratory sample, any user with Data Entry or Data Reviewer in the company of the laboratory can perform the result entry. For a field sample, any user with Data Entry or Data Reviewer in the company that created the sample can perform the result entry

1. Entering Results for a Single Test

If you are entering results for just one of the tests on the sample, you can open a result entry screen for just that test.

	ied rears [5]			13							User to Cons
											Perform Multiple Tests
		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?			
ASTM	C143 Slump of Hydra	ulic Cement Concrete	,								
1	Initial Test	Field				Ready for Testing	Required		Perform Test	Mark Test Not Performed	
ASTM	C173/ASTM C231 Air	Content of Freshly Mi	ixed Concrete								
2	Initial Test	Field				Ready for Testing	Required		Perform Test	Mark Test Not Performed	
	C1064 Temperature o	f Freshly Mixed Portla	and Cement Cond	rete							
ASTM		Field				Ready for Testing	Required		Perform Test	Mark Test Not Performed	

1. On the sample screen of the sample you want to enter test results on, click on the Associated Tests tab to expand it.

2. Click on the Perform Test option on the test you want to perform the result entry.

A Perform Test dialog box will appear. Each test has its own set of fields. The tests shown are for explaining the functionality for test result entry.

rform Test				
Test ASTM C143 Slump of Hydraulid	c Cement Co	ncrete		
Tester Type Technician Nan 3 TN		Date Te	est Performed	*
Slump				
Slump (in) 5	*			
6				
	Save			

3. **Tester** – all tests require that the Tester be identified. Not all tests require a qualified tester. Because the same field (Tester) is used when a test requires a qualified tester and when it does not, the field always reviews the CTQP database to determine if the name or TIN supplied has any qualifications first, even when a qualified tester is not required.

Sometimes on tests where a qualified tester is not required, the person who performed the test will not have a TIN so MAC will display a message, No Results Found, (from the CTQP database) and it will look like you cannot move forward.

Test ASTM C143 Slump of Hyd	draulic Cement Concr	rete	
Tester		Date Test Performed	
Bran Stark	× *		*
Slump (in)	*		
	Save		

a. For tests requiring a qualified tester, enter the name or TIN of the tester. If a TIN is found, the tester can be selected from the returned list.

Later MAC will display if the tester is qualified for the specific qualification area of the technician. The test results can still be entered even if the technician is not qualified in the qualification area designated for the test. The unqualified tester will be flagged and an MC Review finding created.

The only time you will not be able to select a person for a test that requires a qualification area for the testing technician is if the tester is not qualified in any area (or does not have a TIN in CTQP). If that is the case, you will see that No Results Found. This is not an error message; however, you will not be allowed to proceed. The sample must be deleted, resampled (if needed) and retested (if possible) by a person with a TIN in the CTQP database. This does **NOT** mean that the person must be qualified in the qualification area required by the MAC Spec to get the test results in the system. If the person has a TIN in CTQP, the sample will accept the entry, then check to see if the person is qualified in the qualification area the MAC Spec requires on the date the test was performed. If the person is not qualified in the appropriate qualification area, the test will be flagged with an unqualified TIN flag.

ester	Date Test Performed
Susan Burnett	× *
No Results Found	

b. For tests not requiring a qualified tester – enter the name of the tester. If a TIN is found, the tester can be selected from the returned list. If the technician is not found in CTQP, it will appear as is shown in the screenshot above, but MAC will allow you to proceed. Simply select the tab key to move to the Date Test Performed field or click in the Date Test Performed field and MAC will populate the Tester field with the name you supplied in the Tester field.

Test								Ŀ.	
SM 4110 B Anions in Wa	ter by IC							17	
Tester			Testing Lab	Date Te:	st Perfo	rmed		a.	
Susan Burnett		×	DSM001 - State Materials Office				*		
				Pre		Ortel	er 2016		Nex

4. Date Test Performed – enter the date the test was performed.

NOTE: Check the date test performed to ensure that it is correct.

5. **Test Results** – enter test results in the test results fields. Each test will have different fields. Some dynamic field selections will cause other fields to appear.

6. **Test Notes** – if there are notes about the specific test, click on the + option next to the test notes label to open a dialog box to enter the notes.

7. Select the Save option.

NOTE: On some tests if you enter failing results, it will display a warning message that the results do not meet the test limits from the MAC Spec, mix design or product. This warning is intended to draw attention to the entry in case there is a data entry error. If the result obtained did fail, do not change the result from a failing result to a passing result.

6.50	Does not meet target/limit [Slump = 3 +/- 1.5]
	-

The test entry on the Associated Tests tab will be updated to a test status of Test Complete. If a qualified technician is required and the technician selected is not qualified in the qualification area required to perform the test, the tester Field will appear in bold red font with an asterisk. If the test results are not within the MAC Spec, mix design or product limits, the Test Disposition will show as Fail in bold red font with an asterisk.

		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?		
ASTM C14	3 Slump of Hydrau	lic Cement Concrete								
1	Initial Test	Field		F12345678 *	Fail *	Test Complete	Required		Perform Test	Mark Test Not Performed

If it is a lab test and the lab performing the test is not qualified in the required test method, the Lab Id will show in bold red font with an asterisk.

ASTM	C39 Compressive Str	ength							- 1
5	Initial Test	Lab	C0ABC2*	W30028468	Pass	Test Complete	Required	View	_

2. Designating a Required Test as Not Performed

Required tests must be performed or designated as not performed.

ASTM C1	064 Temperature of Fres	hly Mixed Portland Cement Concrete				
3	Initial Test	Field	Ready for Testing	Required	Perform Test	Mark Test Not Performed

1. On the test that was not performed, select the Mark Test Not Performed option.

A Mark Test Not Performed dialog box will appear.



2. **Reason Test Not Performed** – select the reason the test was not performed from the dropdown list.



3. Select Save to save the reason and designate the test as not performed.

The test disposition will be set to Fail but will not be in bold red font. The test status will be set to Test Not Performed and the reason will display with the test status in bold red font with an asterisk. When a required test is designated as not performed, an automatic finding is generated on the MC Review of the FPN(s) on the sample.

ASSOCIA	ated rests [5]									
		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?		
ASTM	C143 Slump of Hydra	ulic Cement Concrete	•							
1	Initial Test	Field		F12345678*	Fail *	Test Complete	Required		Perform Test	Mark Test Not Performed
ASTM	C173/ASTM C231 Air	Content of Freshly Mi	ixed Concrete							
2	Initial Test	Field			Fail	Test Not Performed [Equipment Issues] *	Required		Perform Test	Mark Test Not Performed

3. Optional Tests

Most project samples will not have optional tests. In most cases only certain sample levels, like IV or RT have tests set as optional. If a sample has tests that are designated as optional, you do not have to fill in the test or delete the test from the sample to be able to Submit the Sample to FDOT for Verification. Leave any optional tests not performed blank. Many users like to Remove the test from the sample so that it does not look like the test was missed. You can do this if you wish. Either choice is permissible for optional tests.

4. Adding Tests

Most project samples will not allow you to add tests. The MAC Specs have been designed to list all required testing. Tests are usually not allowed to be added because the material method of acceptance does not need the testing to be performed to ensure that the material is acceptable. If you wish to submit a sample with tests other than testing required for acceptance, contact the SMO technical unit responsible for the sampling and testing of the material for further assistance.

5. Special Tests

A few MAC Specs have special tests assigned, but most project MAC Specs do not. If you are working on a MAC Spec with special tests, you will see the Add Test option. When you select the Add Test option, the only selection you will be able to make is any special test(s) assigned on the MAC Spec.

6. Entering Results for Multiple Tests

If there is more than one test on the sample, you will have the ability to enter the test results for any or all the tests at one time. They do not have to be entered individually as described in <u>1</u>. <u>Entering Results for a Single Test</u>.



1. Click on the Associated Tests tab to expand it.

2. Click on the Perform Multiple Tests option.

A Perform Multiple Tests dialog box will appear.

verlorm Multiple Tests	
Tests to Perform ✓ ASTM C143 Slump of Hydraulic Cement Concrete	1
ASTM C173/ASTM C231 Air Content of Freshly Mixed Concrete	7
ASTM C1064 Temperature of Freshly Mixed Portland Cement Concrete	
FM 5-501 - Early Sampling for W/CM Ratio	
ASTM C39 Compressive Strength	<u></u>
ASTM C143 Slump of Hydraulic Cement Concrete	
Tester Date Test Performed 9	
Slump	• • • • • • • • • • • • • • • • • • •
Slump (in)	
Test Notes + 7	
ASTM C173/ASTM C231 Air Content of Freshly Mixed Concrete	
8 Use Header Info from First Test	
U use reader into room runt feat Tester Tester Type Technician Name or TIN	Ę
the come of a date	

3. **Tests to Perform** – all available tests will appear as selected. If you don't want to enter any or some of these tests now, deselect the test. It will not delete the test from the sample. It will merely take the test definition entry off the dialog box for result entry now.

NOTE: It is *crucial* that you deselect any tests not being performed at this time. If you do not, MAC will populate the test header and update the test status to In Progress resulting in incorrect turnaround times.

С									
		Testing Lab	Date	Test Per	ormed				
	×	DSM001 - State Materials Office				*			
				Prev	Octo	ober 2	016		Ne
82.034				Su Mo	Tu	Wo	Th	Fr	4
	c		Testing Lab	Testing Lab Date DSM001 - State Materials Office	Testing Lab Date Test Peri DSM001 - State Materials Office Prev	Testing Lab Date Test Performed DSM001 - State Materials Office Prev Octor	Testing Lab Date Test Performed DSM001 - State Materials Office Prev October 2	Testing Lab Date Test Performed DSM001 - State Materials Office Prev October 2016	Testing Lab Date Test Performed DSM001 - State Materials Office Prev October 2016

4. **Tester** – on the first test, enter the name or TIN of the tester in the Tester field. As described in the instructions for a single test entry, this field may or may not require a qualified technician.

5. Date Test Performed – enter the date the test was performed in the Date Test Performed field.

6. **Test Results** – enter test results in the test results fields. Each test will have different fields. Some dynamic field selections will cause other fields to appear.

7. **Test Notes** – enter any testing comments in the Test Notes option by selecting the + Next to the Test Notes. A text box will appear for you to enter test comments.

This completes entry for the first test. On the rest of the tests you have the option to indicate if the same tester and date was used or a different tester on a different date.

ASTM C173/ASTN	M C231 Air Content of Freshly Mixed Concrete	
Use Header Info	from First Test 8	
Use Header Info	from First Test 8 Date Test Performed	

8. User Header Info From First Test – once the first test is complete, the Use Header Info from First Test indicator defaults to checked and populates the TIN or name for the Tester and date test performed on all the other selected tests. If a different tester was used or if the test was performed on a different date (or both), deselect this indicator.

Once it is deselected, the fields appear with the information still populated.

		Date Test Performed
а	×	3/17/2017 ь
	а	a

a. To change the Tester, select the x next to the Tester field to clear the field.

Tester	
McDoe 😡	× *
John McDoe [M12345678]	

Enter the new name or TIN and select it from the returned list.

b. To change the Date Test performed, click in the field to revise the date manually or select the new date from the calendar feature.

9. Continue completing all tests.

Save	

10. Select the Save option to save all tests results entered.

The tests statuses on the tests with the saved results will be updated to Test Complete.

B. Performing a Retest

For most project samples, retest is not a valid option. If you believe a test is available for a retest, contact your local DAC or the appropriate SMO technical unit before you perform the retest. If you do need to retest, the appropriate DMRO or SMO personnel will assist you with documenting the retest results.

C. Result Entry for Samples that are Rerouted at Sample Receipt

When a sample is rerouted at Sample and it is a partial reroute, the result entry is slightly different. Users from the company for each laboratory will need to communicate which laboratory is performing which test definitions. Also both labs need to determine who will submit the sample to FDOT for Verification.

										ZPerform Multiple Tests
		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?		
FM 5-5	63 Asphalt Content	by Ignition Oven								
1	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
FM 1-1	030 Superpave Gra	dation								
2	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
FM 1-1	F 209 Maximum Spec	ific Gravity								
3	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
FM 1-1	F 166 Gmb - Plant									
4	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
FM 1-1	166 Gmb - Roadway	í								
5	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
Aspha	It Volumetrics									
6	Initial Test	Lab				Ready for Testing	Required	Perform Test	Mark Test Not Performed	
Showin	iq 1 to 6 of 6									

1. On the sample screen of the sample you wish to enter results for, click on the Associated Tests tab to expand it. By now you should have communicated with the original lab to determine which lab will perform which tests. MAC does not restrict either lab to any test. Both labs are able to access and perform result entry on all tests.

2. You may select Perform Test to enter the results for one test or select Perform Multiple Tests if your lab is going to perform more than one test.

A Perform Test dialog box or Perform Multiple Tests dialog box will appear. The result entry is the same for a sample that is not routed with one exception, the Testing Lab must now be identified.

Type Technician Name or TIN	Date Test Perfor	med	*
Basket Weight (g)		*	A
Beginning Basket + Sample Weight (g)		*	В
Begin Sample Weight (g)			B - A
End Basket + Sample Weight (g)		*	С
Final Sample Weight (g)			D = C - A
Asphalt Content from Print Out (%)		*	E
Calibration Factor (%)	0.04		F
Design Asphalt Content (%)	5.2		
Percent Asphalt Content (%)			E+F
Extracted Aggregate Weight (g)		*	G
Percent Difference Between Final Sample Weight and Extracted Aggregate Weight (%)			(D - G) + D * 100
Washed Sample Weight (g)		*	н
Weight of Minus 200 by Wash (g)			I = G - H
est Notes +			

3. **Testing Lab** – select the appropriate lab from the Testing Lab drop down list. The list is restricted to the original lab and the routed to lab(s). The rest of the result entry is the same as an unrouted sample.

NOTE: The users in each laboratory must communicate to determine when the testing is complete and which company will perform the data review and submit the sample to FDOT for Verification. This cannot be done until all required tests are performed or designated as Test not Performed.

Chapter 8 – Viewing the Sample History

The system tracks the data changes made to sample and test data in the sample history along with the user who made the changes.

Sample 1700063963 [Submitted for Lab Testing]			Go To Sample Type Sample Id	
Samole ID Samole Status	Create New Sample Login from this Sample	View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	J ^{View} History
Sample ID Sample Status 1700063963 Submitted for Lab Testing				
Sample Initiated By Sample Initiated Date Last Updated By Last Updated On Surson Muneelman 2/02/2017 Surson Muneelman 2/17/2017				

1. On the sample screen, select the View History option.

A View History dialog box will appear.

Field	Old Value	New Value	
M C173/ASTM C231 Air Content of Freshl	y Mixed Concrete Updated by	Susan Musselman on 3/17/2017 3:02:24 PM	-
Tester		F12345678	_
Specimen Count		1	
Date Test Performed		3/17/2017	
Reason Test Not Performed	Equipment Issues		
Test Passes for Primary Category	No	Yes	
Test Complete	No	Yes	
M C1064 Temperature of Freshly Mixed P	ortland Cement Concrete Upo	ated by Susan Musselman on 3/17/2017 3:02:24	РМ
Tester		F12345678	_
Specimen Count		1	
Date Test Performed		3/17/2017	
Test Passes for Primary Category		Yes	
Test Complete	No	Yes	
-501 - Early Sampling for W/CM Ratio Up	dated by Susan Musselman o	n 3/17/2017 3:02:24 PM	_
Tester		F12345678	
Specimen Count		1	
Date Test Performed		3/17/2017	
Test Passes for Primary Category		No	
Test Complete	No	Yes	
M C173/ASTM C231 Air Content of Freshl	y Mixed Concrete Updated by	Susan Musselman on 3/17/2017 2:23:24 PM	-
Dearest Teach list Deafeannest		F	
	y Mixed Concrete Updated by		

- 2. Use the scroll bar to view the entire file.
- 3. Export the results if you wish to save the history in a file.
- 4. To close the dialog box, select the X on the top right corner of the box.

Chapter 9 – Opening a Sample for Updates before the Sample is Submitted for FDOT Verification

A. Reopening a Sample for Sample Data Entry during Sample Life Cycle (PA, District Application Coordinator, System Administrator)

Sometimes during the life of the sample, before the Data Reviewer has submitted the sample to FDOT for Verification, a user may notice that there is something wrong in the Sample Info that needs to be updated.

The PA or DAC can open the Sample Info tab while the sample is being tested to allow a user in the company that created the sample to update the information. On a lab sample, this takes it out of the custody of company of the lab temporarily and returns it to the company of the user who created the sample. The test result entry is locked down until the sample header is fixed and the sample is returned, even the same company created the sample. This is normally done for items that impact the result entry and determination of pass / fail. An example of a reason to send the sample back during sample life cycle and not wait until the finalization is the wrong structural concrete mix design has been entered and someone notices that the w/cm ratio result is failing because of this.

Reopen for Data Entry	Delete Sample	View Sample Transmittal Information for Print	View Sample Certifi
$\sum_{i=1}^{n}$			

1. On the sample screen, select the Reopen for Data Entry option.

A Reopen for Data Entry dialog box will appear.

ppen for Data Entry	×
By reopening this Sample for Data Entry, it will suspend the Testing Lifecycle	
Reopen for Data Entry	
\searrow	

2. Select the Reopen for Data Entry option.

The sample status is updated from Submitted for Lab Testing to Logged. The laboratory temporarily loses access to the sample until the updates are made and the sample is returned to the laboratory.

B. Making Sample Data Corrections (Data Reviewer)

							-
	Sample Information					Click to Collepse	
L	hý.					Update Sample Info	
	Company District O Metaziala Office					5	
	District 2 Materials Office						
	Method of Acceptance Sample Level Category	Structural Concrete Production Facility	Mix Design	Allow any Approved Mix Design	Mix Design Category		

1. On the sample screen of the sample that needs to be corrected, click on the Sample Info tab to expand it.

2. Click on the Update Sample Info option.

An Update Sample Info dialog box will appear.

Company		
ABC Road Company	×	
Sample Level Category	Structural Concrete Production Facility Mix Design	
QC Class IV Dri	illed Shaft (4000 PSI) / Conventional	
Allow any Approved Mix Design	Mix Design Category	
	Class IV Drilled Shaft (4000 PSI) / Conventional	
Sampled By Tech	Date Sample Taken	
Bran Stark [F12345678]	× 2/21/2017	
	Guantity Represented Unit of Measure Batch/Delivery Ticket #	
CC40002Q	Quantity Represented Unit of Measure Batch/Delivery Ticket #	
CC40002Q	Quantity Represented Unit of Measure Batch/Delivery Ticket #	
CC40002Q	Quantity Represented Unit of Measure Batch/Delivery Ticket #	
CC40002Q	Guantity Represented Unit of Measure Batch/Delivery Ticket # 50.00 Cubic Yard(s) ×	
LOT#	Quantity Represented Unit of Measure Batch/Delivery Ticket # 50.00 Cubic Yard(s) X	
CC40002Q	Guantity Represented Unit of Measure Batch/Delivery Ticket # 50.00 Cubic Yard(s) ×	
CC40002Q	Guantity Represented Unit of Measure Batch/Delivery Ticket # 50.00 Cubic Yard(s) ×	

- 3. Make changes to the information as needed.
- 4. Select the Save option to save the changes.

NOTE: The Category Type is available for selection. This should not be changed. See Chapter 10 Section <u>B. What Should Not Be Changed on a Sample</u> for additional information.

To indicate to the laboratory that your changes are complete, you must resubmit the sample for lab testing.



5. Select the Submit Sample for Testing option.

A Submit Sample for Testing dialog box will appear.



6. Select the Submit for Testing option.

NOTE: This same functionality can (and normally does) occur after the sample has been submitted to FDOT for Verification. The reason this can be done in both places is that sometimes the change may impact testing, so it is better to make the change before the test results are entered or before the sample is submitted to FDOT for Verification.

Chapter 10 – Sample and Test Data Review and Submitting Samples for FDOT Verification

Samples must be reviewed by a user in the company who has custody of the sample to ensure the sample has been confirmed and is ready to be used by FDOT for acceptance. The functions in this chapter are performed by a user with the company role of Data Reviewer. The act of submitting the sample to FDOT indicates that the company has performed a thorough review of the data and made any needed changes or commented on any information the Data Reviewer cannot update.

A. Reviewing the Sample Header Data

If a user in a different company created the sample, the Data Reviewer will not be able to update the sample information. The Data Reviewer can review the sample header information and make note of any obvious errors in the comments section (<u>Chapter 11 – Sample Comments</u>).

B. What Should Not Be Changed on a Sample

MAC will allow you to change key fields on a sample, but it does not work. If the new selection has required tests that the old selection did not and vice versa, the sample may or may not get the correct list of tests or targets and limits. The only way to ensure this happens is to delete the sample with the incorrect key fields and reenter it with the correct information.

- Contract/Project
- MAC Spec
- Category
- Type
- Sample Purpose
- Sample Level
- Anything that identifies to MAC what the sample is and what tests to assign

If you are not sure if a field is a MAC key field, contact your local DAC.

C. Reviewing the Test Data

The Data Reviewer should review the test results on all tests to ensure they are correct and complete.

- Are all the sample dates correct?
- Are all tests correct?
- Are all required tests completed or marked not performed with an indicator as to why the required test was not performed?
- Are there test notes or sample comments to explain any unusual occurrences?
- Are there any potential issues designated with bold red font?
 - If so, are they due to data entry errors?
 - o If it is not a data entry error, are there comments to address the finding?

If the review shows that there are errors, the Data Reviewer should make any needed changes before submitting the Sample to FDOT for Verification.

D. Submitting the Sample to FDOT for Verification

When the Data Reviewer is satisfied that the results are correct, the sample can be submitted to FDOT for Verification.

Submit for FDOT Verification	Create New Sample Login from this Sample	View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	View History

1. On the sample screen, select the Submit for FDOT Verification option.

A Submit for FDOT Verification dialog box will appear with a warning that selecting the Submit for FDOT Verification will indicate that the sample is ready to be finalized. Once the Submit for FDOT Verification option is selected, you will no longer be able to update the test results. This message is a reminder that the next stage of the sample life cycle is the PA's review and **you are indicating** *that your company has reviewed the sample and it is ready for finalization and comparison* **packages**.

Submit for FDOT Verification	×
By submitting this sample to FDOT it will no longer be updatable. Please ensure all tests have been completed and all information has been updated.	
Submit for FDOT Verification	
24	

a. If you are not sure the sample is ready, select the x on the top right corner of the dialog box to dismiss it and return the sample screen for more checking.

b. If you are satisfied that the sample is ready to be finalized, select the Submit for FDOT Verification option.

The sample status will be updated to Pending Finalization if the sample is not auto finalized and to Finalized if the sample is auto finalized.

NOTE: The Data Reviewer for the company of the laboratory cannot submit a structural concrete sample for FDOT Verification if the company that created the sample has not entered the plastic property test results on structural concrete samples. All required tests must be completed or designated as Not Performed for the Submit to FDOT Verification option to appear.

Chapter 11 – Sample Comments

Sample comments can be added during the life of the sample while your company has custody of the sample.

A. Adding a Comment to the Sample



- 1. Click on the Comments tab to expand it.
- 2. Click on the New Comment option.
- A New Comment dialog box will appear.

Comment	
mment This sample comment was added to describe something specific about the sample.	78 of 2000
Save	

- 3. Enter your comment in the Comment field.
- 4. Select the Save option.

The Comments tab will be updated to include the comment.



B. Updating a Comment on the Sample

To update a comment, you previously entered:



1. Select the Update Comment icon (</).

An Update Comment dialog box will appear.



- 2. Make changes to the comment as desired.
- 3. Select the Update option to save the changes.
- C. Deleting a Comment on the Sample



- 1. Select the Remove Comment icon (x).
- A Remove Comment dialog box will appear.

ove Comment	
Are you sure you want to delete this Sample Package	Comment?
Delete	

2. Select the Delete option. If you inadvertently selected the Remove Comment icon and don't want to delete it, select the x on the top of the dialog box to dismiss it.

D. Responding to Another's Comment

If someone else makes a comment, you can respond to the comment.

ample Comments [n •			
🛡 Susan Musselman	[4/21/2017 11:53:36 AM]	1	×	
This sample cor	nment was added to d	escribe	e something sp	pecific about the
Add Respo	nae			
	5			

1. Select the Add Response option.

An Add Response dialog box will appear.

This	is	a re	sponse	to a	a comment	made	on the	Sample.	Ð	~
										~
						Save				

- 2. Enter your response in the text field.
- 3. Select the Save option to save the response.

The response will appear under the comment.



Once a response has been made to a comment, the comment cannot be updated or deleted until the response is deleted.

E. Updating a Response

To update a response you previously entered:



1. Select the Update Response icon (/).

An Update Response dialog box will appear.



- 2. Make changes to the response as desired.
- 3. Select the Update option to save the changes.
- F. Deleting a Response
- 1. Select the Remove Response icon (x).

Comple	Commente [0]
Sample	Comments [2]
E Sus	an Musselman [4/21/2017 11:53:36 AM]
+ 000	
Thi	is sample comment was added to describe something specific about the sample.
	🛡 Susan Musselman [4/21/2017 11:54:50 AM] 📝 🏌
	This is a response to a comment made on the Sample.
	Add Response

A Remove Response dialog box will appear.



2. Select the Delete option. If you inadvertently selected the Remove Comment icon and don't want to delete it, select the x on the top of the dialog box to dismiss it.

Chapter 12 – Sample Documents

There are times when a document needs to be attached to the sample. You can do this when the sample is created or at any time during the sample life cycle if your company has custody of the sample. Once the sample leaves your company's custody, you will not be able to attach a document.

NOTE: Do **NOT** attach mix design reports to samples in MAC. If you are instructed by Department personnel to do so, contact a system administrator.

A. Adding a Document to the Sample

Documents [0]	Click to Collapse
No Documents have been added	ပူpload Document

- 1. Click on the Documents tab to expand it.
- 2. Select the Upload Document option.

An Upload Document dialog box will appear.

Document Upload			
Select File	0 %		
Description ?		Description	
			_
			\sim

3. Click on the Select File option to navigate to the file you want to upload.

← → ~ ↑ 💶 > Th	is PC > Desktop >			∨ Ö Sea	irch Desktop	
Organize 👻 New folde	er				822 -	
🔒 Training Doct 🖈 个	Name	Date modified	Туре	Size		
🕹 Downloads 🖈	MAC blurb	4/20/2017 2:16 PM	Microsoft Word D	14 KB		
📃 Desktop 🚿	Sample_certificate_V3.1_CR	4/11/2017 2:48 PM	Crystal Reports	53 KB		
🗄 Documents 🖈	LIMS SAMPLE IDS by Project_MATL	4/6/2017 12:59 PM	Crystal Reports	47 KB		
Pictures 🖈	🗊 Google Chrome	3/22/2017 7:37 AM	Shortcut	3 KB		
Crystal	SampleComparev9.6MAC	3/16/2017 2:14 PM	Crystal Reports	167 KB		
Reporting	🔁 717eBook	3/16/2017 8:25 AM	Adobe Acrobat D	9,122 KB		
	🍰 GoToMeeting	2/7/2017 7:56 AM	Shortcut	2 KB		
Section 5.8	🍰 GoToTraining	2/7/2017 7:56 AM	Shortcut	3 KB		
System Manager	🍰 GoToWebinar	2/7/2017 7:56 AM	Shortcut	3 KB		
Desktop	🔁 PMCL Attachment for Straightedge Defic	1/4/2017 2:31 PM	Adobe Acrobat D	3 KB		
A Musselman, Sus	FDOT Mainframe	12/22/2016 12:00	Shortcut	2 KB		
This PC	🔁 Document	12/12/2016 8:04 AM	Adobe Acrobat D	84 KB		
	EAR FOR TRAINING	11/22/2016 8:11 AM	Adobe Acrobat D	81 KB		
> 🠂 Libraries	People First Type: Adobe / Size: 83.2 KB	11/15/2016 9:41 AM	Shortcut	3 KB		
USB Drive (D:)	🔁 ABC QC Plan Date modified	11/7/2016:10:50 AM	Adobe Acrobat D	81 KB		
SanDiskSecure Y	MAC database connection info	R/31/2016 8-33 ΔM	Microsoft Word D	259 KR		

- 4. Navigate to the location of the file.
- 5. Select the file to be uploaded.
- 6. Select the Open option.

The Upload dialog box will reappear indicating that the file upload is complete, 100%.



- 7. Enter a document description, if desired.
- 8. Select the Save option to complete the upload.

NOTE: If you discover that you selected the wrong document in step 5, click on the X next to the Upload Complete message to delete the document and start over.

B. Viewing Uploaded Documents

Anyone can view documents uploaded to a sample. To view the uploaded documents:

ocuments [1]					
Name	Description	Date Uploaded			
1 Document.pdf	This is a document that h	4/24/2017	View Document	Update	Delete
Showing 1 to 1 of 1					

- 1. Click on the Documents tab to expand it.
- 2. Click on the View Document option.

The document will be downloaded in the file format it was stored. You will need an application compatible with that format to be able to view the document. The example document is a pdf file. You would need an application like Adobe Reader or Nuance to view the file.

A download dialog box will appear. The appearance of the dialog box is a function of the browser you are using.



3. Select the Open option to open the file.

The document will be opened by the application applicable to the file type.

C. Updating a Document Description

If you find that you have entered the document description incorrectly, you can revise it.

Joounients [1]				
Name	Description			
1 ABC OC Plan p	df Bridge Foreman Resume	View Document	Update	Delete
	in phoger croman recounter		6100163	
Showing 1 to 1 of 1				

1. Click on the Update option.

An Update dialog box will appear.

Ocument Name								
Document.pdf								
Description ?								69 of 200
This is a docume SMO review.	ont that	: has	been	uploaded	to	a sample	for	$\langle \rangle$
				ive				

- 2. Revise the description, as needed.
- 3. Select the Save option to save the changes to the description.
- D. Deleting an Uploaded Document

If you need to delete a document, you can if you have the appropriate role(s). This option will not be available to some users.

Doc	cuments [2]				
	Name	Description			
1	ABC QC Plan.pdf	Bridge Foreman Resume and	View Document	Update	Delete
2	Document.pdf		View Document	Update	Delete
Sh	owing 1 to 2 of 2				

- 1. Click on the Documents tab to expand it.
- 2. Select the Delete option on the row of the document you want to delete.

A Delete dialog box will appear.

Delete	×
Are you sure you want to delete this document?	
Delete	

3. Select the Delete option to delete the document. If you inadvertently selected the Delete option and don't want to delete it, select the x on the top of the dialog box to dismiss it.

Chapter 13 – Witnessed By Samples

A. What is a Witnessed By Sample?

There are some QC samples that do not have a corresponding VT sample. Instead the Verification Technician witnesses QC perform the test and record the data. For samples like this, the MAC Spec that governs the sample has an indicator that the sample is eligible for the Witnessed By Company field on the sample login screen. When the test is complete, the Data Reviewers in the company listed as the Witnessed By Company receive a notification that the sample is awaiting the VT Technician's TIN. When a Data Reviewer enters the TIN, the Data Reviewers for the QC Company are notified that the sample has the TIN updated and can be submitted to FDOT for Verification.

NOTE: Data Reviewers for QC Company and VT Witnessed By Company should ensure they have notifications set up and filtered so they receive these notifications. The notifications are intended to ensure the sample is processed in a timely manner and not waiting for the VT company enter the TIN or the QC company to submit the sample to FDOT. See the <u>Basic Notifications and Dashboard</u> instructions for opting in and applying filters and the Company Notifications - Data Reviewers instructions.

B. QC Data Entry for a Witnessed By Sample



1. **Witnessed By Company** – enter the company name of the technician who witnessed the QC Sample. It must be a company with a MAC company profile. Select the company from the returned list.

C. VT Data Entry for a Witnessed By Sample

Sample Information	8	
Method of Acceptance	Sample Level	Category
Sampling And Testing	QC	Rolling Straightedge
Date Sample Taken		
5/7/2020		
FDOT Sample # (for Structural	start with S examp	le \$001Q for Friction start with F example F001Q)
1		
Witnessed By Company	Witnessed By	
State Materials Office		Update Witnessed By

- 1. Click on the Sample Information tab to expand it.
- 2. To enter the VT's TIN, click on the Update Witnessed By pencil icon.

An Update Witnessed By dialog box will appear.

odate Witnessed By	×
Witnessed By	
Type Tech 3 an Name or TIN	
-	
Save	
Save	

3. Witnessed By – enter the name or TIN of the VT technician and select the technician from the returned list.

4. Select the Save option.

Chapter 14 – Deleting a Sample

Users can delete samples up until the time the sample is received by the lab for lab samples or submitted to FDOT for Verification for field samples. Once a sample has been received or submitted, only a DAC or system administrator can delete the sample.

PAs cannot delete samples. The PA is a system role that has access to samples across multiple companies. Once a sample has left the custody of the company only a DAC or system administrators can delete it.

If you discover that a sample has been entered with incorrect key fields:

- Contract
- MAC Spec
- Category
- Type
- Sample Purpose
- Sample Level
- Anything that identifies to MAC what the sample is and what tests to assign

You must ensure the sample is deleted and reentered it with the correct information.

Create New Sample Login from this Sample Delete Sample View Sample Transmittal Information for Print View Samp

1. On the sample screen, select the Delete Sample option.

A Delete Sample dialog box will appear.

	×
you want to delete this Sample	e?
Delete	

2. Select the Delete option to delete the sample. If you don't want to delete the sample, select the x in the top right corner of the dialog box to dismiss it.

NOTE: Deleted samples are purged from MAC and cannot be retrieved. If a sample is incorrectly deleted, it must be reentered as a new sample.

NOTE: MAC does not reuse MAC Sample Ids. Once a sample is deleted, if you attempt to search for that sample id, you will receive a message, No Records Found. If you have a sample id (for example, from a sample transmittal card) that does not match the sample in MAC, most likely it was created in a different environment or was deleted. For example, the user who created the sample thought they were in the production environment and were actually in the training environment.

NOTE: You cannot delete a sample that has been included in a comparison package until that comparison package is deleted. Also, if there are findings for the sample or the comparison package that are not excluded in the MC Review. If you do not see the Delete option, contact the appropriate local DAC to see if the project has an MC Review generated and if the sample or comparison package of the sample you are trying to delete has findings.

To delete a sample:

- All sample findings must be excluded
- If the sample is in a comparison package
 - All comparison package findings must be excluded
 - The comparison package must be deleted

In most cases, for a sample to have these features, it is past the point that a user can delete the sample. If you do not see the delete option, contact your local DAC.

For proctor samples to be deleted:

- All proctor sample findings must be excluded
- If the proctor sample is in a comparison package
 - All comparison package findings must be excluded
 - \circ The comparison package must be deleted
- All ERS samples that have the proctor sample selected must be revised to another proctor sample or deleted

Chapter 15 – Sample Finalization

This chapter will describe the steps in Sample Finalization for project samples. Except for samples that are auto finalized, the PA must finalize all project samples, including those tested by SMO. The user who performs the steps in each section is included in the title of the section for further clarification. The goal of this is to ensure the data used in the acceptance decision is correct and complete.

A. Finding a Sample Awaiting Finalization (PA)

Project samples must be finalized one at a time so the sample data and test results are reviewed fully before creating comparison packages. Some of the sample header information and test results will impact the comparison. Before comparison packages are created, the data should be reviewed and confirmed to ensure that the comparison status is correctly applied.

nple 1700063964 [Pending Finalization]							Go To Sample Type Sample Id	
ample ID Sample Status 1700063964 Pending Finalization			n	alize Sample	Return Sample	View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	View His
ample Initiated By Sample Initiated Dat Susan Musselman 2/22/2017 aterial Certification	Last Updated By Susan Musselman	Last Updated On 3/17/2017						
408459-2-52-01 [In Final Review] Material Information								Click to Co
	ACTS [PRINCE CONTRACT	Projects ING, LLC] 408459-2-52-0	1: I-75 (SR 93A) FM S OF SR582(FOWLER	AVE) TO N OF CF	R 581 (BB DOWN	-		
Project T7220: CRS CONTR Pay Items Material M 346 - Portland Cement Concrete	AC Spec			AVE) TO N OF CF	R 581 (BB DOWN:	-		
Project T7220: CRS CONTE Pay Items Material M	AC Spec	ING, LLC] 408459-2-52-0		AVE) TO N OF CF	R 581 (BB DOWN:	-		Click to Ca

1 On the sample screen, click on the Material Information tab, Sample Information tab and Associated Tests tab to expand them. The next step is to review the sample and test data.

- B. Reviewing the Sample and Test Data (PA)
- 1. Using the sample finalization checklists, review the sample and test data.
- a. Asphalt Plant Sample Finalization Guide List
- b. Rolling Straightedge Sample Finalization Guide Lists
 - 1. Pre 07/01/2020
 - ii. Post 07/01/2020
- b. Structural Concrete Sample Finalization Guide List
- c. Soils/Earthwork Lab Sample Finalization Guide List
- d. ERS Field Density Sample Finalization Guide List

For example, the sample in the screenshot above shows that the technician who took the sample was not qualified. Confirm with the Data Entry personnel that the correct TIN was selected. The TIN should **not** be changed if the data is correct and the technician was not qualified. If the flag is because the Data Entry user selected the wrong technician, send the sample back to the sample data entry company to have it corrected.

Another example of incorrect sample header information is the FDOT Sample Number. The field does not capitalize alpha characters at data entry. The FDOT Sample Number cc40001v is technically incorrect. The PA may return it to have the alpha characters corrected or may chose to leave it as it is since the sample sorting on the FDOT Concrete Sample Number Lot Number report is not impacted. CC4007V (missing a 0) will impact sample sorting and needs to be revised so that the verification sample sorts after CC40007Q on the report.

Once you have determined if the sample needs to be returned for sample data corrections, test result entry corrections, or both, you can return the sample. If your review shows that no data needs to be corrected, skip to <u>I. Finalizing the Sample (PA)</u>.

C. Returning a Sample for Sample Data Correction (PA)

If the sample data is incorrect, but the tests results seem appropriate, the PA should return the sample to the company that created the sample by selecting the Sample Data Correction option. This opens the sample information portion of the sample, but not the test results.

1. On the sample screen, select the Return Sample option.

A Return Sample dialog box will appear.

Sample Data Correction Test Correction Sample Data and Test Correction	*
	~

2. Select the Sample Data Correction option from the Correction Type drop down list.



3. Enter the information that needs to be revised in the Reason field.

4. Select the Return option to return the sample to the company that created the sample. The sample header will ONLY be opened for data corrections.

The sample status will be revised to Sample Data Correction Needed.

NOTE: Do *NOT* return a sample for correction if any of the key fields are incorrect. A key field is a MAC Spec, a category, a type, a sample level, a sample purpose, anything that MAC would use to determine what the sample is and what tests are on the sample. The system will allow the user to revise any of these, but all the requirements on the new designation may not be updated. The only option for a sample that is entered under an incorrect key field is to reenter the sample under the correct designation and have the sample that is incorrectly designated deleted (see Chapter 10, <u>B. What Should Not Be Changed on a Sample</u>). This is the only way to ensure that MAC applies all requirements to the sample.

D. Correcting the Sample Data and Returning the Sample to FDOT (Data Reviewer)

If the sample has been returned by the PA for sample data corrections, the sample header information is opened to data reviewers in the company that created the sample. None of the test information can be corrected, even if the laboratory or users for the company that tested it are the same as the company that created the sample.

To correct the sample header information:

Sample Comments [1] Clerk to Colleges New Comments New Co		
Obser Newsetting (402017.2.37.04 Mg) × × Please correct the FDDT Sample Number and the mix design.	Sample Comments [1]	Click to Collapse
Ø Soutan Museelman (4/2017.237.04 PM) K Please correct the FDOT Sample Number and the mix design.		New Comment
Please correct the FDOT Sample Number and the mix design.		Show Newest Comments First
	@ Susan Musalman [4/3/2017.2:37.04 PM] 🖍 🕱	
Add Reports	Please correct the FDOT Sample Number and the mix design.	
	Add Response	

1. On the sample screen of the returned sample, click on the Sample Comments tab to expand it. The information the PA entered is displayed here. Make note of the corrections needed.

Sample Information	à					Click to Collepse
Company	~				h	Update Sample Info
ABC Road Company						
Method of Acceptance Samp Sampling And Testing QC	C Class IV (5500 PSI) / Conventional	Structural Concrete Production Facility 26-999 - ABC Road Company Training Concrete Plant 2 *	Mix Design 02-9998	Allow any Approved Mix Design No		
Sampled By Tech Date Sample Tail F12345678 * 2/21/2017	ken					
Higher Class in Lieu of Lower Class No						
FDOT Sample # (CC40001Q) Quanti CC40002Q 50.0	ity Represented Unit of Measure Batch/Delivery T 00 Cubic Yard(s)	icket #				
LOT# 2						
Intended Use						

- 2. Click on the Sample Information tab to expand it.
- 3. Select the Update Sample Info option.

An Update Sample Info dialog box will appear.

	Category			Structural Co	oncrete Production Facility	Mix	Design	
QC	Class IV (550	0 PSI) / Conventiona	\checkmark	26-999 -	ABC Road Company Training) Cc × 0	2-9998	
Allow any Appro	ved Mix Design						~	
Sampled By Tec	h	Da	te Sample Taken					
Bran Stark	F12345678]	×	2/21/2017					
CC40002Q LOT #	142		Cubic Yard(s)					
Intended Use								
				~				
				~				
				×				

- 4. Make the requested changes.
- 5. Select the Save option to save the changes.

To return the sample to pending finalization for the PA to review:



- 6. Select the Correction Made Submit for FDOT Verification option.
- A Correction Made Submit for FDOT Verification dialog box will appear.

By submitting this	sample to FDOT it will no longer be updatable. Please	r.
ensure all tests ha	ave been completed and all information has been upda	ted.
	Submit for FDOT Verification	

- 7. Select the Submit for FDOT Verification option.
- E. Returning a Sample for Test Result Entry Correction (PA)

If the test data is incorrect, the PA should return the sample to the company of the laboratory that tested the sample. If it is a field sample, it will be returned to the company that created the sample.

Sample 1700063964 [Pending Finalization]				Go To Sample Type Sample Id	
Semple ID Sample Status 1700063964 Pending Finalization	Finalize Sample	Return Sample ଧ	View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	View History
Semple Initiated By Sample Initiated Date Last Updated By Last Updated On Susan Musselman 2/22/2017 Susan Musselman 3/17/2017 Material Cetification					
Material Certification 408456.0.5.2.01 th Eined Davideurit					

1. Select the Return Sample option.

A Return Sample dialog box will appear.

turn	n Sample	8
B	y returning this Sample it will be resubmitted to the User to update and Resubmit for Finalization.	
Corr	rection Type	
٦	Test Correction	
t	ison 148 of 2000 Please review the MAX Load result for cylinder #3. It appears to have a data entry error causing the average compressive strength psi to be failing. K	
	Return	

- 2. Select the Test Correction option from the Correction Type drop down list.
- 3. Enter the information that needs to be revised in the Reason field.

4. Select the Return option to return the sample to the company that created the sample. The associated tests will be opened for data corrections.

The sample status will be revised to Test Correction Needed.

F. Correcting the Test Results and Returning the Sample to FDOT (Data Reviewer)

If the sample has been returned by the PA for test corrections, the associated tests are opened to data reviewers in the company of the laboratory that tested the sample. None of the sample information can be corrected, even if the laboratory or users for the company that created the sample is the same as the company that performed the tests.

To correct the test information:

Sample Comments [1]	
	.
	ylinder #3. It appears to have a data entry error causing the average compressive strength psi to be failing.
Susan Musselman [4/2/2024 9:14:20 AM] Please review the MAX Load result for cy Add Response	* vlinder #3. It appears to have a data entry error causing the average compressive strength psi to be failing.

1. On the sample screen of the returned sample, click on the Sample Comments tab to expand it. The information the PA entered is displayed here. Make note of the corrections needed.

Associa	ted Tests [5]	D									Click to Collaps
											Perform Multiple Tests
		Lab or Field	Lab ID	Tester	Test Disposition	Test Status	Required	Which test Rules?			
ASTM	C143 Slump of Hydra	ulic Cement Concre	ete								
1	Initial Test	Field		F12345678 *	Pass	Test Complete	Required		Perform Test	Mark Test Not Performed	1
ASTM	C173/ASTM C231 Air	Content of Freshly	Mixed Concrete								
2	Initial Test	Field		F12345678 *	Pass	Test Complete	Required		Perform Test	Mark Test Not Performed	l.
ASTM	C1064 Temperature of	of Freshly Mixed Po	rtland Cement Co	ncrete							
3	Initial Test	Field		F12345678 *	Pass	Test Complete	Required		Perform Test	Mark Test Not Performed	1
FM 5-5	01 - Early Sampling f	or W/CM Ratio									
4	Initial Test	Field		F12345678 *	Fail *	Test Complete	Required		Perform Test	Mark Test Not Performed	l i i i i i i i i i i i i i i i i i i i
ASTM	C39 Compressive Str	rength									
5	Initial Test	Lab	C0ABC1	F12345678 *	Pass	Test Complete	Required		Perform Test	Mark Test Not Performed	Retest

2. Click on the Associated Tests tab to expand it.

3. Select the Perform Multiple Tests option or the Perform test option (if only one test needs to be corrected).

A Perform Multiple Tests or Perform Test dialog box will appear.

ester Bran Stark [F12345678]	COABC1 - AB	C Road Company		How many Specimen?
Specimen Info				
Type of Specimen	4" x 8" Cylinder	/		
Is Hardened Density Needed?	No 🗸			
Age	28 Day	s 🗸		
	Specimen 1	Specimen 2		Specimen 3
Length 1 (in)	8.00	8.00		8.00
Length 2 (in)	8.00	8.00		8
Length 3 (in)	8.00	8.00		8.00
Average Length	8.00	8.00		8.00
Diameter 1 (in)	4.00	4.01		4.00
Diameter 2 (in)	4.00	4.03		4.00
Average Diameter (in)	4.00	4.02		4.00 Should be 71600
Area (in ²)	12.57	12.69		12.57
Length CF	1	1		1
Max Load (lbs)	72,000	71,510		7,160 0
Fracture Type	1 🗸	1 🗸		1 🗸 🗖
End Treatment Used	Ground	Ground	~	Ground 💙
Compressive Strength (psi)	5,728	5,635		570
Average Compressive Strength (psi)	3,980			Does not meet target/limit [Average Compressive Strength >= 5,500]
st Notes +				

- 4. Make the necessary changes.
- 5. Select Save to save the changes.

To return the sample to pending finalization for the PA to review:



6. Select the Correction Made – Submit for FDOT Verification option.

A Correction Made – Submit for FDOT Verification dialog box will appear.



7. Select the Submit for FDOT Verification option.

G. Returning a Sample for both Sample and Test Corrections (PA)

If the sample header and test data are incorrect, the PA should return the sample to the company of the user that created the sample and company of the laboratory that tested the sample. Both the sample information and the test information are open for corrections when the PA makes this selection.

I	Sample 1700063964 [Pending Finalization]				Go To Sample Type Sample Id	
	Sample ID Sample Status 17000053954 Pending Finalization	Finalize Sample	Return Sample	View Sample Transmittal Information for Print	View Sample Certificate of Analysis for Print	View History
	Sample Initiated By Sample Initiated Date Last Updated By Last Updated On Susan Musselman 2/22/2017 Susan Musselman 3/17/2017 Materia CastRadan 4/18.405.9.56.7.41 En Eleval Devdews1					

1. Select the Return Sample option.

A Return Sample dialog box will appear.

Correction Type		
Sample Data and Test C	orrection V	
Reason		61 of 2000
The mix design num revised.	per and the temperature need t	o be
		~

- 2. Select the Sample Data and Test Correction option from the Correction Type drop down list.
- 3. Enter the information that needs to be revised in the Reason field.

4. Select the Return option to return the sample to the company that created the sample. The sample header AND associated tests will be opened for data corrections.

The sample status will be revised to Sample Data and Test Correction Needed.

H. Correcting the Sample and Test Data and Returning the Sample to FDOT (Data Reviewer)

If a different company tested the sample than the company that created the sample, a Data Reviewer from each company must make the revisions needed. The two Data Reviewers need to communicate to determine who will return the sample after the corrections have been made.

A Data Reviewer from the company that created the sample should follow the sample data correction instructions in <u>D. Correcting the Sample Data and Returning the Sample to FDOT (Data Reviewer)</u>; however, they should not return the sample until the test result Data Reviewer has indicated the sample Data Reviewer should return it and the test result Data Reviewer has completed the necessary test changes.

A Data Reviewer from the company that tested the sample should follow the test data correction instructions in <u>F. Correcting the Test Results and Returning the Sample to FDOT (Data Reviewer)</u>; however, they should not return the sample until the sample header Data Reviewer has indicated the test result Data Reviewer should return it and the sample header Data Reviewer has completed the necessary sample data changes.

If the sample was created and tested by the same company, a Data Reviewer can complete both sections and submit the sample to FDOT when the corrections are made.

I. Finalizing the Sample (PA)

Once the sample and test data are correct, or if the initial review shows no sample or test data issues, you are ready to finalize the sample.

Just because a sample is finalized does not mean it is at the end of the sample life cycle. Do not take the sample status of Finalized to mean the sample is closed. A finalized sample may still be considered open if it is required to be in a comparison (<u>Chapter 1 – Project Sample Life Cycle</u>).

nple Status 'ending Finalization	Finalize Sample	Return Sample
-------------------------------------	-----------------	---------------

1. On the sample screen of the sample you wish to finalize, select the Finalize Sample option.

A Finalize Sample dialog box will appear with a message advising you that this step will make the sample eligible for comparison packages.



2. Select the Finalize option.

Chapter 16 – Comparison Packages

If samples are required to be in a comparison package, the sample is still considered to be open, even if the sample itself has been finalized. When do you create a comparison package? The time when you should create a comparison package depends on the material and the time requirements for resolution.

- Asphalt VT does not test until all QC testing is complete. Create the comparison package as soon as the VT sample is finalized.
- Soils/Earthwork **Do not finalize the VT sample until you have finalized all the QC samples** and are ready to create the comparison package and run the comparison.
- Structural Concrete Create the comparison package as soon as the original sample and the verification sample are finalized. Do <u>NOT</u> wait for all 5 samples in the comparison package. For example, if the QC and VT samples are in LOT 2, you will have QC1, QC2 and VT2 available when all 3 are finalized. Create the comparison package and designate QC2 as the original sample, VT2 as the verification sample and QC1 will be designated as an associated sample. Add the other associated samples later as they are finalized (see <u>B. Adding Associated Samples to an already created Comparison Package</u>).
- A. Creating a Comparison Package

To create a comparison package, the following must be present:

1. The MAC Spec needs to have a comparison package definition.

2. The samples in the comparison package must be finalized.

3. The samples must be in the same MAC Spec. Comparison packages cannot cross MAC Specs. They can be in different versions of the same MAC Spec.

4. Other material specific requirements, such as all structural concrete samples must have the same mix design number.



- 1. Select the Samples menu option.
- 2. Select the Closeout Samples sub menu option.

You will be navigated to the Comparison Package screen.

Finalize Multiple Samples	Create Comparison Package	Create Test Comparison Package
---------------------------	---------------------------	--------------------------------

Comparison Package 165324 [2301153665 QC-VT]

3. Select the Create Comparison Package option to create a new comparison package.

MAC will populate the comparison package criteria from the last sample you *finalized*. This is a convenient feature if you finalize similar samples and then move to the comparison package steps. If you are creating comparison packages for a material you did not just finalize, you will have to alter the information for the material you are currently working on.

	Go To Comparison Type Comparison F Comparison Package Definition Compressive Strength
Material/Spec Spec Edition Spec Edition Spec Edition Class IV (5500 PSI) / Conventional C Material/Specification, 01/2009, v1 V1 Class IV (5500 PSI) / Conventional V C Incomplete Package V2 Pitter Sample List Contract/Project C C Contract/Project T7220 / 408459-252-01; I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNS) V V V V	
S46 - Portland Cement Concrete Noject, Supplemental Specification, 01/2009, v1 Conventional Cass IV (5500 PSI) / Conventional Case IV (5500 PSI) / ConventioNU (55	
2) Filler Sample List ContractProject TT7220 / 408459-2-52-01: I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNIS)	Compressive Strength
Incomplete Package 2) Filter Sample List ContractProject (T7220 / 408459-2:52-01: I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNIS)	
ContractProject T7220 / 408459-2-52-01: I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNS)	
ContractProject T7220 / 408459-2-82-01: I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNS)	
T7220 / 408459-2-52-01: I-75 (SR 93A) FM S OF SR582(FOWLER AVE) TO N OF CR 581 (BB DOWNS) 7	
i) Additional Optional Filters	
Mix Design Name FDOT Sample Number LOT #	
Sampled Dn or After Sampled Before	
Production Facility Product	
Type Production Facility Name Start typing product name to get list of products	

4. If the populated information is incorrect, select the x by the field (like Material/Spec) to remove the default and select something else.

Some lots can cross projects on the same contract, like structural concrete. If the FPN listed does not retrieve all the samples needed in the comparison package because some of them are on a different FPN on the same contract, enter the contract in the blank contract field and select the additional FPN. Repeat until all FPNs in the comparison package are selected.
 Additional filters can be designated in the Additional Optional Filters section.

MAC will find all the finalized samples that are not yet in a comparison package that meet the search criteria.

1700064173 3/24/2017 CC40003Q 3 02-9996 QC 26-998 - ABC Road Company Training Concrete Plant 1	Sample	Date Sample Taken	FDOT Sample Number	LOT #	Mix Design	Sample Level	Production Facility	Product	Select All
1700064173 3/24/2017 CC40003Q 3 02-9996 QC 26-998 - ABC Road Company Training Concrete Plant 1	1700064171	3/24/2017	CC40001Q	1	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		
	1700064172	3/24/2017	CC40002Q	2	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		
	1700064173	3/24/2017	CC40003Q	3	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		
1700064174 3/27/2017 CC40004Q 4 02-9996 QC 26-998 - ABC Road Company Training Concrete Plant 1	1700064174	3/27/2017	CC40004Q	4	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		
1700064175 3/24/2017 CC40002V 2 02-9996 VT 26-998 - ABC Road Company Training Concrete Plant 1	1700064175	3/24/2017	CC40002V	2	02-9996	VT	26-998 - ABC Road Company Training Concrete Plant 1		

7. Select the samples from the returned list that will be part of this comparison package. If all the samples returned are in the same comparison package, use the Select All option.

The selected samples will be populated in the Configure Selected Samples section. MAC sometimes guess at which samples to compare to each other. It does not always make a full selection or select the correct samples.

	Sample Level	FDOT Sample Number	LOT #	Mix Design	Original	Verification	
1700064171	QC	CC40001Q	1	02-9996			
1700064172	QC	CC40002Q	2	02-9996			
1700064175	VT	CC40002V	2	02-9996		\mathbf{V}	
Show Comparison after Creation	on O Stay on Cre	eate Screen to crea	ate more Comp	parisons			

8. If the original or verification sample was selected by MAC and it is correct, you can leave them as it is. If the original or verification sample selected by MAC is incorrect, or was not selected by MAC, select the appropriate sample(s).

9. Create Package or Create Package and Run Compare

a. Select Create Package to designate the samples and save the comparison package. You will have to select the Run Compare on Comparison Package later.

NOTE: Until the comparison is run, the samples in the comparison package are considered to be open.



b. Select Create Package and Run Compare if you want to save the package and run the comparison now.

If you selected Create Package and Run Compare, the comparison package status will be updated to either Compares or Does Not Compare.

B. Adding Associated Samples to a Comparison Package

Associated Sam	iples [1]			
Sample	Date Sample Taken	FDOT Sample	Mix Design	Sample
1700064171	3/24/2017	Number CC40001Q	02-9996	Level QC
Export Results		00100114	02.0000	qo

1. On the comparison package screen, click on the Associated Samples tab to expand it.

2. Select the Update Associated Samples option.

An Update Associated Samples dialog box will appear. It will be populated with the samples that are not yet in a comparison package that match the original search criteria used to create the package.

elect Associate	ed Samples for Comp	barison Package						
Sample	Date Sample Taken	FDOT Sample Number	LOT #	Mix Design	Sample Level	Production Facility	Product	Select All
1700064171	3/24/2017	CC40001Q	1	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		X
1700064173	3/24/2017	CC40003Q	3	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		\$
1700064174	3/27/2017	CC40004Q	4	02-9996	QC	26-998 - ABC Road Company Training Concrete Plant 1		
Showing 1 to	3 of 3							

- 3. Select the samples to be added as associated samples.
- 4. Select the Save option to save the samples to the comparison package.
- C. Adding Resolution to a Comparison Package that Does Not Compare

When the comparison package is created and the comparison is run, if the original sample and verification sample do not compare, the comparison package status is updated to Does Not Compare. The PA will need to initiate the resolution process to have the resolution samples processed and finalized so they can be added to the comparison package.

NOTE: Selecting Run Resolution does not trigger the resolution process. It is used to add the resolution sample(s) to the comparison package after they are tested, submitted to FDOT for Verification and finalized. Do not select the Run Resolution until you have initiated the resolution process outside of MAC, the resolution samples have been submitted to FDOT and finalized.

omparison Package 4	522 [1700064172 QC-VT]			Go To Comparison Type Comparison Pac
				Run Resolution Mark Resolution Not Performed Delete Comparison Package
Comparison Package ID 4522	Comparison Definition Compressive Strength	Comparison Type Includes Original Sample	Comparison Status Does Not Compare	15

1. On the comparison package screen that requires resolution, select the Run Resolution option.

A Run Resolution dialog box will appear. This dialog box includes any resolution sample with the same comparison criteria as the comparison package that is not already included in a comparison package.

	nple For Original Sample						
Select Resolution San							
Mix Design		FDOT Sample Num	iber LC	W T(
02-9996		×					
Sampled On or After	Sampled Before						
Sample	Contract/Project	Date Sample Taken	FDOT Sample Number	LOT #	Mix Design	Sample Level	
1 1700064176	T2552 / 430554-1-52-01	3/24/2017	CC40002QR	2	02-9996	QR	✓ Selec
Showing 1 to 1 of 1							13
Showing 1 to 1 of 1							13
							h3
	nple For Verification Samp	le					15
Select Resolution San	nple For Verification Samp		iber LC				hî
		FDOT Sample Num	ber LC)T #			hî
Select Resolution San		FDOT Sample Num	ber LC)T #			h3
Select Resolution San Mix Design [02-9996]	FDOT Sample Num	ber LC)T #			2
Select Resolution San Mix Design [02-9996]	FDOT Sample Num	ber LC FDOT Sample Number	I.OT#	Mix Design	Sample Level	2
Select Resolution San Mix Design 02-9996 Sampled On or After	Sampled Before	FDOT Sample Num	FDOT Sample		Mix Design 02-9995		~ ~ ~ ~

2. Click on the blue Select option to indicate the resolution samples. Since we are using concrete, there is a QR and a VR for every comparison package.

n Resolution			
Select Resolution Sample For Original	Sample		
1700064176 QR [CC40002QR]	K Change		
Select Resolution Sample For Verificati	on Sample		
1700064178 VR [CC40002V]	K Change		
		Run	

3. Once the appropriate sample(s) is/are designated, select the Run option to apply the resolution logic.

D. Designating Resolution Not Performed

If resolution is required and cannot be performed, the comparison package must be designated that the resolution was not performed.

omparison Package 452	23 [1700064172 QC-VT]				Go To Com	parison Type Compa
Comparison Package ID 4523	Comparison Definition Compressive Strength	Comparison Type Includes Original Sample	Comparison Status Does Not Compare	 Run Resolution	Mark Resolution Not Performer	Delete Comparisor

1. On the comparison package screen where the resolution was not performed, select the Mark Resolution Not Performed option.

A Mark Resolution Not Performed dialog box will appear.



2. Select the reason the resolution cannot be performed, for example the resolution samples are missing because they were lost, or they were logged in but the tests can't be performed by the resolution lab.

3. Select the Save option.

The Resolution status will be updated to Not Performed with the reason you selected. This is considered an exception to the PMCL and will create a finding the PA should respond to.

E. Creating an Incomplete Comparison Package

Sometimes the comparison package cannot be completed because the original sample, verification sample or both are missing. When this happens, you still need to create a comparison package with the samples that are available and designate the comparison package as incomplete. Samples that are required to be in a comparison package but are not considered to be open samples.

) Select Samples fo	r Comparison Packa	ige								
Sample	Date Sample Taken	FDOT Sam	ple LC	T #	Mix Design	Sample	Production Facility	Product	Select All	
		Number				Level				
1700064171	3/24/2017	CC40001Q	1		02-9996	QC	26-998 - ABC Road Company Training Concrete Plan	nt 1		
1700064173	3/24/2017	CC40003Q	3		02-9996	QC	26-998 - ABC Road Company Training Concrete Plan	nt 1		
1700064174	3/27/2017	CC40004Q	4		02-9996	QC	26-998 - ABC Road Company Training Concrete Plan	it 1	2	
1700064175	3/24/2017	CC40002V	2		02-9996	VT	26-998 - ABC Road Company Training Concrete Plan	ıt 1		
Showing 1 to	4 of 4									
) Configure Selecte	d Samples									
	s	ample Level	FDOT Sample Number	LOT #	Mix Design	Origi	nal Verification			
1700064171		QC	CC40001Q	1	02-9996					
1700064173		QC	CC40003Q	3	02-9996					
1700064174		QC	CC40004Q	4	02-9996					
							\checkmark			

1. Perform a create comparison package (<u>A. Creating a Comparison Package</u>). The results will have one key sample missing. In this example, the QC original sample is missing. The VT sample and all the associated samples still need to be in comparison package to be considered closed. 2. Indicate all the samples that should be in this incomplete package.

Create Comparison Package		Go To Comparison	Type Comparison Package id
1) Select MAC Spec/Comparison Logic Material/Spec 334 - Superpave Asphalt Concrete	Spec Edition 334 - Superpave Asphalt Concrete, Project, Supplemental Specification, 07/2021, v6	ð v	Comparison Package Definition
Lot Terminated			

3. Under Section 1) Select MAC Spec/Comparison Login/select the Incomplete Package option.

\checkmark		*
	Comparison Test(s) Not Performed	
Filter Sample List	Missing or Damaged IV Sample Missing or Damaged QC Sampl Missing or Damaged VT Sample	

4. An Incomplete Comparison Package Reason Code field will appear. Select the appropriate reason from the dropdown list.

Currently if you attempt to create the package without designating an original and verification sample, you will receive an error message.



5. If you see this message, select any sample in the incomplete package as the Original Sample. In our example, the reason we have an incomplete package is because the original sample is the missing sample, so this error message is incorrect. But the system will not allow you to continue until a sample is selected.

Create Package	
	Create Package

6. Select the Create Package option at the bottom of the screen to create the package.

The Comparison Status will be updated to Incomplete Package with the reason you assigned. This will create a finding the PA should respond to and may result in an exception to the PMCL.

F. Printing the Comparison Package Information Report

There is a standard Comparison Package Report that can be generated from the comparison package screen.



1. On the comparison package screen, select the View for Print option.

MAC will download the data into a pdf report. The appearance of the dialog box is a function of the browser you are using.



2. Select the Open option to view the report.

The report will be opened in pdf.

lome	e Tools	comparis	onPackag ×							
B 1		Q 🗇	(1 / 1	•		78.5%	- -	+++ 2	₩	
									^	
					of Transportation					
					Certification (MA)					
			Comparison	Package Inf	ormation [4/21/201	17]				
Com	parison Package	4524 [1700064171 QC	-vŋ							
Com	parison Package ID	Comparison Defin	tion	Com	parison Type		Comparison Status			
	4524 Compressive Strength Includes Original Sample Incomplete Package							lage		
	mplete Comparison fissing or Damaged									
Spec		nt Concrete, Suppleme	ntal Specification, 01/2	013, v2.10		Last Updated By Susan Musselm	Last Updated an 4/21/2017	On		
34										
Origi	inal Sample		OT Sample Number	LOT #	Project(s)					
Origi		Sample Level FC QC	CC40001Q	1	Project(s) 430554-1-52-	01				
Origi 17 Verif	Inal Sample 700064171 fication Sample	QC Sample Level FC	CC40001Q OOT Sample Number	1 LOT#		01				
Origi 17 Verif	inal Sample 700064171	QC	CC40001Q	1		01				
Origi 17 Verti 17	Inal Sample 700064171 fication Sample	QC Sample Level FC	CC40001Q OOT Sample Number	1 LOT#		01				
Origi 17 Verti 17	inal Sample 700064171 fication Sample 700064175	QC Sample Level FC	CC40001Q DOT Sample Number CC40002V	1 LOT#		01	Sample Level			
Origi 17 Verti 17	Inal Sample 700064171 fication Sample 700064175 pociated Samples	QC Sample Level F0 VT	CC40001Q DOT Sample Number CC40002V	1 LOT # 2	430554-1-52-	01	Sample Level			

G. Deleting a Comparison Package

Sometimes after you have created a comparison package you may need to delete it.



1. On the comparison package screen, select the Delete Comparison Package option.

A Delete Comparison Package dialog box will appear.



2. Select the Delete option to delete the comparison package. If you don't want to delete the comparison package, select the x in the top right corner of the dialog box to dismiss it.

NOTE: You cannot delete a comparison package if there are findings that are not excluded in the MC Review. If you do not see the Delete option, contact the appropriate local DAC to see if the project has an MC Review generated and if the comparison package you are trying to delete has findings.