



MATERIALS and TESTING QUALITY ASSURANCE

LPA 2018



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

QUALITY ASSURANCE

- What is Quality Assurance?
- Why needed?
- Sampling & Testing
- 2059 Report
- Typical Materials and Tests

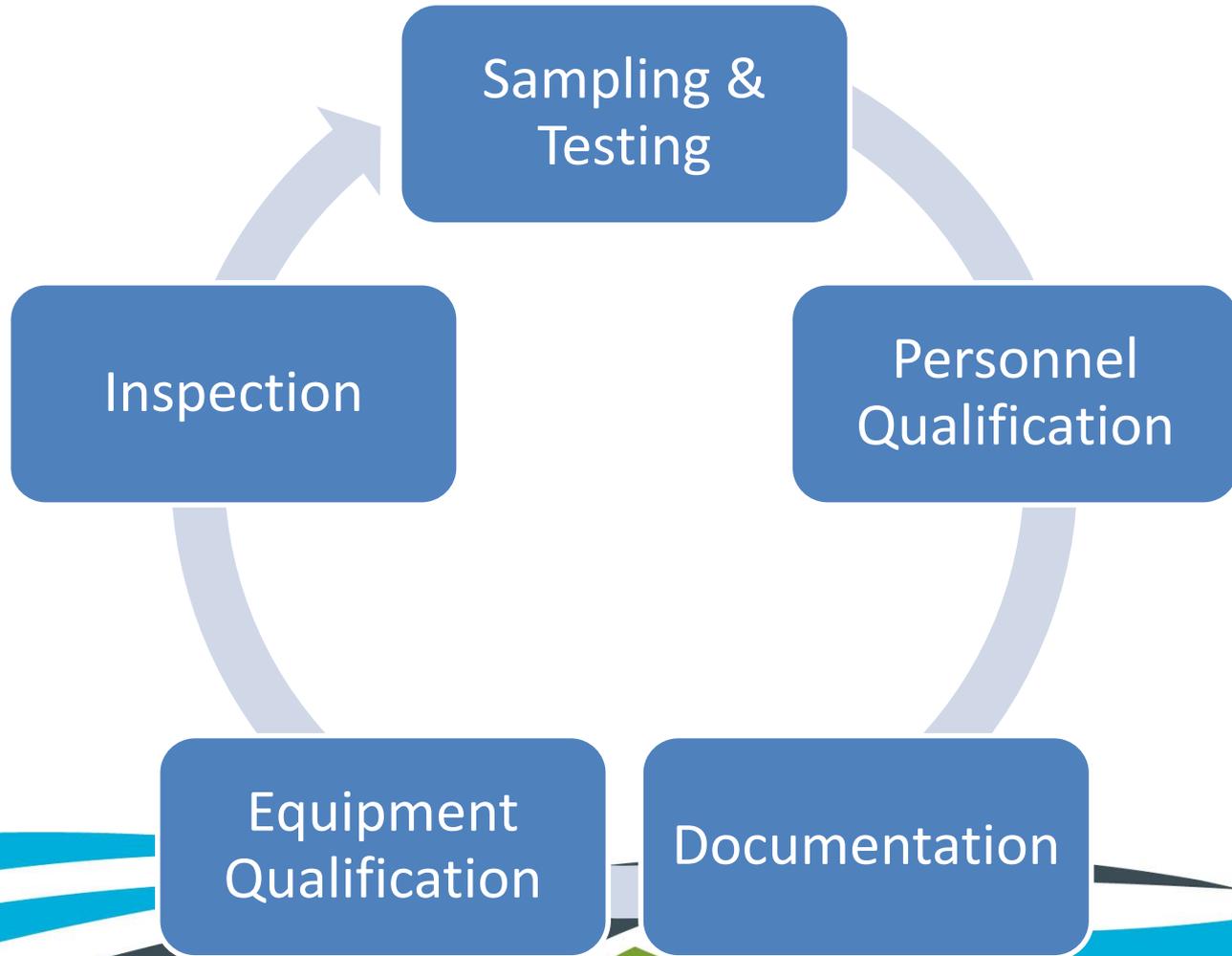
What?

- A system for ensuring a desired level of **quality**.
- 23 CFR 637 - “All those planned and systematic actions necessary to provide confidence that a product or service will satisfy given requirements for quality. “

Why?

- To get what we pay for!
- Required by the Code of Federal Regulations

QUALITY ASSURANCE





SAMPLING & TESTING

- Acceptance Testing
- Quality Control Testing
- Verification Testing
- Independent Assurance Testing

ACCEPTANCE

- By DOTD (or Owner Representative)
- Acceptance Testing = Pay \$\$\$\$\$\$
- To determine the degree of compliance with the specifications
- Pass/Fail or Pay Adjustment

QUALITY CONTROL

- By the contractor
- To monitor, assess, and adjust material selection and production
- To control the level of quality so that the product continuously conforms to specifications

VERIFICATION

- For verifying procedures and equipment
- Verification Testing- Double Check
- For verifying material quality
- Non-verifying results may warrant investigation and additional testing



INDEPENDENT ASSURANCE

- “Activities that are an ***unbiased*** and ***independent*** evaluation of all the sampling and testing procedures used in the acceptance program”
- Required by Federal 23 CFR 637.
- Includes
 - *Sampling and Testing*
 - *Equipment*
 - *Technician Proficiency*
- Can be ***Project*** or ***System*** based
 - Project - Only on National Hwy Systems (NHS)
 - System – Proficiency Samples for all Testers



Quality Assurance Reference Manuals

- LA Standard Specs – Section 106
- Materials Sampling Manual
- Test Procedures Manual
- Approved Materials List (was QPL)
- Engineering Directives & Standards Manual, EDSM III.5.1.2 (2059)

- Construction Project is tied to these Quality Assurance Reference Documents by the
CONTRACT

Creating a Sample ID

SMM

- Material Code
- Quantity
- Sample Type
- Producer/Supplier
- Product Name

MATT is obsolete



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SMM Sample ID Basic Sample Data

Maintain Sample Information

Basic Sample Data | Addl Sample Data | Contract | Other | Tests

Smpl ID: d029c15BH080524	Status: Pending	
Revised By:	Revising:	Sample Date: 11/17/15
Link To:	Link From:	Date Entered: 11/17/15
Smpl Type: Acceptance	Acpt Meth: Test Results	
Material: 0302M00060	Stone, Class II	
Sampler: d0251	Barbier, Kevin	
P/S: Vulcan Materials Co-LaGrange,GA	APS00007410	
Type: Approved Manufacturer	City: LaGrange	
Prod Nm: StoneCI II VulcanLaGrangeGA		
Mnfctr: Vulcan Materials Co-LaGrange,GA	APS00007410	
Town:	Geog Area: District 62	
Intd Use:		
Repr Qty: 1,000.000 LINEAR FOOT	Lab Control Number: CNd029c15BH080524	
Auth By:	Auth Date: 00/00/00	Lab Reference Number: 02-211522
Lock Type: No Lock	Locked By:	Lock Date:



SMM ID – Add'l Sample Data

- Request by (PE Name)
- Sample size
- Mix ID (if required)
- Plant ID (if required)
- Other required info
- Save



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SMM ID – Add'l Sample Data

Basic Sample Data	Add'l Sample Data	Contract	Other	Tests
Smpl ID: <input type="text" value="d029c15BH080524"/>		Buy American: <input type="checkbox"/>		
Reqst By: <input type="text"/>		Witnessed By: <input type="text"/>		
Smpl Size: <input type="text"/>	<input type="text" value="N/A"/>			
Depth: <input type="text"/>	<input type="text" value="N/A"/>			
Station: <input type="text"/>	Offset: <input type="text"/>	CS Log Mile: <input type="text"/>		
Smpld From: <input type="text"/>				
Lift: <input type="text"/>	Zone: <input type="text"/>			
Design Type: <input type="text" value="N/A"/>	Mix ID: <input type="text"/>			
Plant ID: <input type="text"/>	Plant Type: <input type="text" value="N/A"/>			
Creator User ID: <input type="text"/>	Sample Created from DWR <input type="checkbox"/>			
Last Modified User ID: <input type="text"/>	Last Modified Date: <input type="text" value="00/00/00"/>	DWR Date: <input type="text" value="00/00/00"/>		
		DWR Inspector: <input type="text"/>		



SMM ID Contract Tab

- Click on little page icon
- Right click on contract spot, search, and pick your contract
- Quantity for whole project, not sample
- Tie to Item Number

- Call the DOTD Coordinator to get set up!



SMM ID – Other & Tests

- Pick destination lab
- Pick lab
- Pick “default” or “more”
- Save
- Click print label icon

MATERIALS SAMPLING MANUAL

- **Used when...**
 - **Creating a Sampling Plan**
 - **Completing a Sample ID**
 - **Completing a 2059 Report
(Project Sample Summary)**



SECTION 302 CLASS II BASE COURSE

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER	DISTR.			

NOTE: WHEN A CLASS II BASE COURSE IS PRODUCED BY CENTRAL PLANT MIXING, USE THE SAMPLING SCHEDULES IN SECTION 301 OF THIS MANUAL.

AGGREGATE BASES	Stone	Quality Control	Contractor S 101	Contractor	*	----	----	----	*Must test sufficient to ensure materials being delivered meet specification requirements.	
		Design*	Proj. Engr. S 101	Dist. Lab	1/source	6 full sample sacks	----	----	4 days	(AML) *For moisture-density relationships.
		Accept.	Dist. Lab S 101	Dist. Lab	1/1000 yd ³	1 full sample sack	----	100 yd ³	4 days	(AML) Materials must be source approved.
		IA	Dist. Lab S 101	Dist. Lab	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					

MATERIALS SAMPLING MANUAL

- **Arranged by Contract Item**
 - For example 502, Asphalt Concrete
- **The purpose**
 - acceptance, information, design, quality control, etc...



MATERIALS SAMPLING MANUAL

- **Minimum frequency of sampling**
 - For example -- 1/1000 Cubic Yards
- **Sample quantity (size)**
 - For example – 1 quart plastic bottle or 1 sack





MATERIALS SAMPLING MANUAL

- **Certificate requirements**
 - CA, CC, or CD

- **Distribution of documents**

MATERIAL		PURP.
AGGREGATE BASES	Stone	Quality Control
		Design*

SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.
METHOD			CONTAINER
Contractor S 101	Contractor	*	-----
Proj. Engr. S 101	Dist. Lab	1/source	6 full sample sacks

CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
DISTR.			
-----	-----	-----	*Must test sufficient to ensure materials being delivered meet specification requirements.
-----	-----	4 days	(AML) *For moisture-density relationships.

CERTIFICATES



- **CA** – Certificate of Analysis
 - Manufacturer test results
- **CC** – Certificate of Compliance
 - “We promise that we comply with specs.”
- **CD** – Certificate of Delivery
 - DOTD tested it, and it includes DOTD Lab Number (Not a bill of lading.)



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Caribbean Cement Company Limited
Rockfort Plant, Kingston 2, Jamaica WI



**Certificate of Analysis for
Pozzolan**

Conducted by Caribbean Cement Company Limited
Complies with requirements of ASTM C 618 specifications, by weight, Class N

Date Analyzed: 4 September 2009

Client:

Item	ASTM C 618 Specifications, by weight, Class N (%)	CCCL Results (%)
SiO ₂	-	69.70
Al ₂ O ₃	-	15.54
Fe ₂ O ₃	-	3.88
CaO	-	3.45
Sum of Al ₂ O ₃ , Fe ₂ O ₃ & SiO ₂	70 Min	89.11
MgO	-	1.07
SO ₃	4.0 Max	1.12
Na ₂ O	-	5.44
K ₂ O	-	1.37
% Moisture	3.0 Max	1.67

P.T.O.

Note

1. Oxide analysis by X-ray fluorescence spectrometry
2. This report should not be reproduced except in its entirety

Cert. No: Pozz 09-09-2



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DOTD 03-22-0023
Rev. 10/07

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
MATERIALS & TESTING SECTION
5080 FLORIDA BLVD., BATON ROUGE, LA 70806

**CERTIFICATE OF COMPLIANCE
FOR
FLY ASH**

PROJECT NAME _____	P. O. NUMBER _____
PROJECT NUMBER _____	CONTRACTOR _____
CONCRETE PLANT _____	PLANT LOCATION _____

MANUFACTURER	MFG. LOCATION	PRODUCT SOURCE CODE	SUPPLIER	SUPPLIER LOCATION

FLY ASH CLASS	INTENDED USE	MODE OF SHIPPING	VEHICLE NO.	SEAL NO.	DATE SHIPPED	QUANTITY Mg (tons)

Note: LA DOTD specifications require an alkali content of 1.5% or less.

The undersigned certifies that the fly ash in this shipment has been manufactured under strict quality control and complies with the Louisiana Department of Transportation and Development specifications for the intended use and class of fly ash indicated above.

This certificate is invalid unless signed by an authorized representative of the company.

COMPANY: _____

BY: _____
(Authorized Company Representative Signature)



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STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
MATERIALS & TESTING SECTION
5080 FLORIDA BLVD., BATON ROUGE, LA 70806

DOTD 03-22-0021
Adopted 3/98

**CERTIFICATE OF DELIVERY
FOR
EROSION CONTROL PRODUCTS
(QPL NO. 72)**

PROJECT NAME: _____ P.O. NUMBER: _____
PROJECT NUMBER: _____ CONTRACTOR: _____

SOURCE: _____

PRODUCT NAME	PROD SOURCE CODE	TYPE	MFR'S LOT NUMBER	DOTD LOT NUMBER (ex. 61-EC-0001)	DOTD LAB NUMBER	QUANTITY

Note: *A copy of the DOTD approved installation procedure for each product listed above shall accompany each shipment.*

Product Description:

This is to certify that the materials listed above have been shipped to the referenced project. We certify that these materials have been previously tested by the Louisiana DOTD Materials and Testing Section under the above referenced laboratory numbers and have met all specifications requirements for the designated project.

This certificate is invalid unless signed by an authorized representative of the company

COMPANY: _____





DISTRIBUTION of PAPERWORK

- **Code**
- 1 Project Engineer receives one legible copy, reviews, approves and files for documentation.
- 2 ...
- 3 ...



APPROVED PRODUCER/SUPPLIER APPROVED MATERIALS LIST

- A listing of material ***companies*** which have been prequalified by DOTD.
- This does not necessarily eliminate the requirement for testing.
- This means that the company is ***capable*** of producing good material.



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Approved Materials List

Product Category : Asphaltic Materials		
MATERIAL : 1002M00050 Binder PG 76-22m		
<p>APS00000340 — Blacklidge Emulsions, Inc. - Gulfport, MS 11030 Reichold Road Gulfport, MS 39503</p> <p>Phone : 228-863-3878 Ext. # : Fax : 228-864-0437 Contact : JR Wood (JRWood@BE-inc.com)</p> <p>Additional Info : Corporate Address: 12251 Bernard Parkway, Suite 200, Gulfport, MS 39503.</p>		
<u>Product</u>	<u>Approved On</u>	<u>Remarks</u>
Binder PG 76-22m Blacklidge Emul-Gulfport	7-17-2013	
<p>APS00011110 — Ergon Asphalt & Emulsion - Mulga, AL 7890 Birmingham Road Mulga, AL 35118</p> <p>Phone : 205-436-3413 Ext. # : Fax : 205-436-3404 Contact : Mike White (mike.white@ergon.com)</p>		
<u>Product</u>	<u>Approved On</u>	<u>Remarks</u>
Binder PG 76-22m ErgonAsph&EmulAL	1- 1-2012	
<p>APS00010280 — Ergon Asphalt & Emulsions - Memphis, TN P.O. Box 13387 1989 Channel Avenue Memphis, TN 38113</p> <p>Phone : 901-947-5800 Ext. # : Fax : 901-774-4562 Contact : Tim Breeding (tim.breeding@ergon.com)</p>		
<u>Product</u>	<u>Approved On</u>	<u>Remarks</u>
Binder PG 76-22m Ergon - Memphis	1- 1-2012	
<p>APS00000360 — Ergon Refining, Inc. - Vicksburg, MS P. O. Box 309 2611 Haining Road Vicksburg, MS 39180</p> <p>Phone : 601-630-8343 Ext. # : Fax : 601-630-8347 Contact : Bill Hoxie (Bill.hoxie@ergon.com)</p>		
<u>Product</u>	<u>Approved On</u>	<u>Remarks</u>
Binder PG 76-22m Ergon - Vicksburg	3- 2-2004	Material approved for the Louisiana Approved Supplier Certification Program



Approved Materials List

Aggregates

PRODUCT SOURCE CODE	PRODUCER/SUPPLIER	MATERIAL	APPROVED USES & FRICTION RATINGS ^{B-1}
ABBC	Agrecasa Del Caribe Relepedregal 21 y 23 Calle 22 Ave. B San Pedro Sula-Honduras (Water Absorption = 1.6) (Spec. Gravity - SSD = 2.63) SMM: APS00005710	Stone (Limestone)	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = IV) 4) Portland Cement Concrete (excluding bridge decks) 5) Riprap & Stone Revetment
ABBY	APAC-Brickey's Stone 13588 Brickey's Road Bloomsdale, MO 63627 (Water Absorption = 1.4) (Spec. Gravity – SSD = 2.64) SMM: APS00005770	Stone (Limestone) Burlington Formation	1) Base & Surface Course 2) Asphaltic Surface Treatment 3) Asphaltic Concrete (Friction Rating = III) 4) Portland Cement Concrete 5) Riprap & Stone Revetment





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Approved Materials List

Aggregates

APS00005710		Agregasa Del Caribe-San Pedro Sula, HON	
<u>Material</u>		<u>Approved Uses</u>	
Stone		Base & Surface Course	
(Limestone)		Granular Material for Subbase	
Spec. Gravity-SSD = 2.63		Special Embankment (non-plastic)	
Water Absorption = 1.6%		Asphaltic Surface Treatment	
Updated = 2/2/2017		Asphaltic Concrete	
		(Friction Rating = IV)	
		Portland Cement Concrete	
		(excluding bridge decks)	
		Riprap & Stone Revetment	
APS00005770		APAC - Brickey's Stone-Burlington-Bloomsdale, MO	
<u>Material</u>		<u>Approved Uses</u>	
Stone		Base & Surface Course	
(Limestone)		Granular Material for Subbase	
Spec. Gravity-SSD = 2.64		Special Embankment (non-plastic)	
Water Absorption = 1.4%		Asphaltic Surface Treatment	
Updated = 2/2/2017		Asphaltic Concrete	
		(Friction Rating = III)	
		Portland Cement Concrete	
		Riprap & Stone Revetment	



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SMM Approved Producer/Supplier

Select Producer/Supplier

Selection

Producer/Supplier

Find :

Producer/Supplier

Producer/Supplier Code	Producer/Supplier Name	Producer/Supplier Type	Status
APS00000010	Ash Grove Cement Company - Forman, AR	Approved Manufacturer	Active
APS00000020	Ash Grove Cement Company - Midlothian, TX	Approved Manufacturer	Active
APS00000040	Buzzi Unicem USA Selma Plant - Festus, MO	Approved Manufacturer	Active
APS00000050	Buzzi Unicem USA - Cape Girardeau, MO	Approved Manufacturer	Active
APS00000060	Buzzi Unicem USA - New Orleans, LA	Approved Manufacturer	Active
APS00000070	Buzzi Unicem USA - Chattanooga, TN	Approved Manufacturer	Active
APS00000080	Buzzi Unicem USA - Pryor, OK	Approved Manufacturer	Active
APS00000090	Cementos Lima S.A. - Lima, Peru	Approved Manufacturer	Active

OK Cancel

Sampling Plan

- The Materials Sampling Manual is used to create a project-specific Sampling Plan based on the contract based on...
 - Materials Allowed and Selected
 - Each Contract Item Quantity



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Sampling Plan

Contract ID : H.010213.6

Vendor : Diamond B Construction Co., L.L.C.

Vendor ID : 12487000

Project Engineer : DeBlanc, Frank

Type of Work : Asphalt overlay of asphalt pavement

Location Info : LA 182: IBERIA P/L - LA 670

IBERIA P/L - LA 670

Line Item	Item Code - Description	Item Unit	Bid Quantity	Current Quantity	Material Code - Name Special Instructions	Sample Type	Sample Unit(s)	Minimum Samples Required
0006	203-05-00100 - Excavation and Embankment	Lump Sum	1	1	0203M00090 - Usable Soil Borrow Pits: 1/2 sample sack - minimum of 10 lb. May be sampled on roadway if questionable. Excavation: As Required, 1 full sample sack - full depth of excavation. Stockpile: 1/1000 CUYD - will be approved in stockpile before placing on project.	Acceptance	LINEAR FOOT, SACK	1
0006	203-05-00100 - Excavation and Embankment	Lump Sum	1	1	0203M00095 - Lab, Usable Soil 1/1000 LNFT/2-lane rdwy/lift	Acceptance	EACH	1
0006	203-05-00100 - Excavation and Embankment	Lump Sum	1	1	1018M00000 - Water, Municipal Source 1/source - Visual Inspection. Sample only if questionable	Acceptance	SACK	1
0007	203-07-00100 - Borrow (Vehicular Measurement)	CUBIC YARD	200	239.89	0203M00095 - Lab, Usable Soil 1/1000 LNFT/2-lane rdwy/lift	Acceptance	EACH	1
0008	204-05-00100 - Temporary Sediment Check Dams (Hay)	Each	16	24	0204G00020 - Acceptance-Temporary Erosion Control Hay or Straw Bales - Visual Inspection. Jute Fabric - Visual Inspection, sample 1/5000 LN FT/source if questionable.	Acceptance	EACH	1
0009	204-06-00100 - Temporary Silt Fencing	LINEAR FOOT	36	128.60	0204G00020 - Acceptance-Temporary Erosion Control Hay or Straw Bales - Visual Inspection. Jute Fabric - Visual Inspection, sample 1/5000 LN FT/source if questionable.	Acceptance	EACH	1
0010	401-02-00100 - Aggregate Surface Course (Adjusted Vehicular Measurement)	CUBIC YARD	5	5	1003M03270 - Agg, Cr Stone for Surface Course 1/1000 LNFT/2-lane rdwy or 1/2000 LNFT/shoulder	Acceptance	SACK	1
0010	401-02-00100 - Aggregate Surface Course (Adjusted Vehicular Measurement)	CUBIC YARD	5	5	1018M00000 - Water, Municipal Source Drinkable water need not be sampled.	Acceptance	EACH	1
0011	402-01-00100 - Traffic Maintenance Aggregate (Vehicular Measurement)	CUBIC YARD	50	32	1003M01930 - Agg, RAP for Traffic Maintenance Visual inspection by the Proj. Engr.	Acceptance	EACH	1
0012	502-01-00100 - Superpave Asphaltic Concrete	Ton	21657.3	33365.27	1002M00030 - Binder PG 64-22 For Acceptance - 1/transport - CD. For Verification - 1/plant working tank/day of production - 1 QT; 1/working tank after a 72 hour shut down period - 1 QT; 1 transport/project/grade - 1 QT sent to the Materials Lab to compare to refinery sample.	Verification	EACH, GALLON	1

2059 Report

PROJECT SAMPLE SUMMARY

- Cover Sheet with Signatures
 - Sampling Plan with Final Tests and Quantities
 - Test Reports
 - Certificates
 - Job Mix Formulas
 - Mix Designs
- **SMM 2059**



2059 Report Cover Sheet

- “All material used was in conformity with the contract, except...”
- Disposition of Failing Reports
 - Disposition Attached N/A
- Errors and Omissions
 - E & O Attached N/A

2059 Report Summary of Test Results

- List of test results by type of material.
(printout from SiteManager)
 - Date Sampled
 - Contract Item #
 - Quantity Represented
 - Test Results
 - Pass/Fail or % Pay



Private Lab

- Include a summary of test results taken from the Private Lab on the 2059!

Disposition of Failing Results



- Any failing test result has to be explained. How did you resolve it?
 - “Material not used on project.”
 - “The stockpile was reworked. Subsequent samples passed. See lab #'s...”



Disposition of Failing Results

- “Material was accepted at 90% pay.”
- “PE determined it was acceptable for the intended use.”
- Do not say, “PE waived the sample.”

Errors & Omissions

- Explain why some materials were not sampled; why certificates were not obtained.
 - “Due to miscommunication no one was at the asphalt plant on May 9, 2012. Tests for lot 980 were not obtained.”

Errors & Omissions



- “Inspector failed to get base density tests before the contractor poured the roadway. After a year, and varied and extreme weather conditions, the road is still performing very well. There are no signs of subsidence.”

Errors & Omissions

- “Although 20 concrete cylinders were required, only 15 were taken. Error was not realized until the end of the project. All acceptance samples and all of the contractor’s quality control samples met the compressive strength required.”

2059 Report Process

- Signed by LPA PE
-  DOTD Lab Engineer
-  DOTD Area Engineer
-  LPA PE to be added to final close-out package

EDSM III.5.1.2 for Sampling

Go to - www.dotd.la.gov

Publications/Manuals

EDSM's

“Buy America” Provisions

ALL contracts say...all **steel and iron** materials, including **coating**, shall be manufactured in the United States.

- There are some waivers – read the contract!





Concrete & Asphalt

- DOTD District Lab
 - Certifies plants – 2 years
- DOTD District Lab or LPA PE
 - Approves Asphalt Job Mix Formulas
 - Approves Concrete Mix Designs

MATERIALS

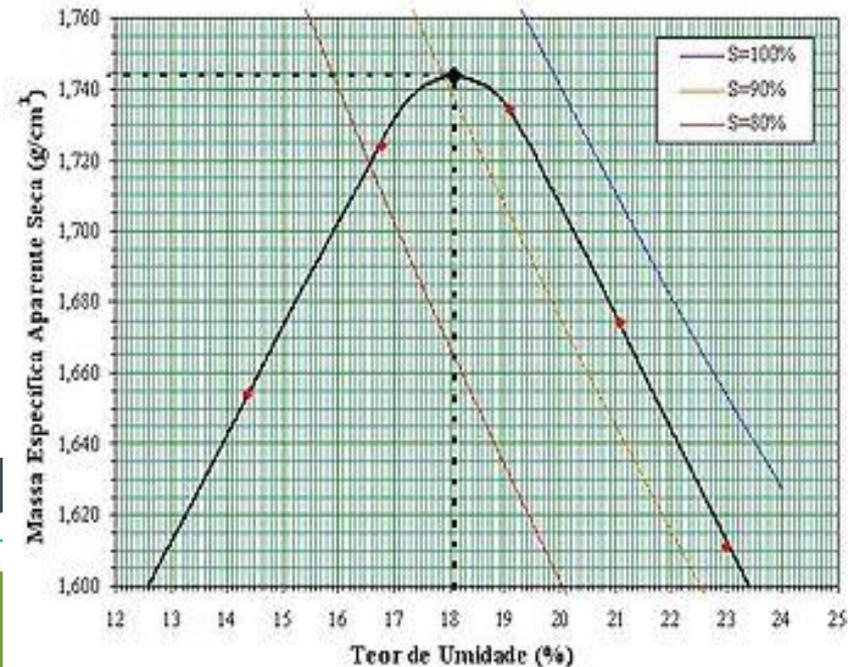
- SOIL
- AGGREGATES
- CONCRETE
- ASPHALT



SOILS



- DISTRICT LAB
 - Soil Classification – (*where is it used?*)
 - Proctor
- FIELD
 - Density



AGGREGATES

- DISTRICT LAB
 - Gradation (*sample correctly!*)
- MATLAB
 - Source Approval
 - Soundness
 - Abrasion
 - (*Crushed concrete takes a long time!*)



CONCRETE

- DISTRICT LAB
 - Compressive Strength (cylinders)
- FIELD
 - Slump and Air
- MATLAB
 - Pavement Cores
 - Cement, Fly Ash, Admixtures



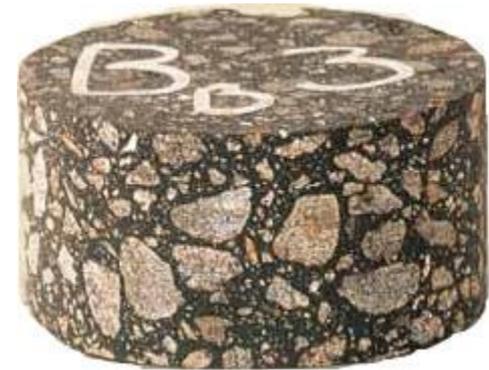
ASPHALT

- DISTRICT
 - Viscosity for Asphalt Cement
- FIELD
 - Cores for Density
 - Smoothness, IRI = International Roughness Index



ASPHALT PLANT

- PLANT
 - Theoretical Maximum Specific Gravity (Rice Gravity, G_{mm})
 - Core for density
 - Gyrotory Briquette for Voids (VMA, % G_{mm} at NI, NM, VFA)
- MATLAB
 - Asphalt Cement



SMOOTHNESS – Surface Tolerance

- Profiler to measure IRI



SMOOTHNESS – Surface Tolerance

- Profiler to measure IRI



Surface Smoothness

- Inertial profiler (IRI) simulates the ride of a car. DOTD uses.
- The Profile Index, (PI), measures from a horizontal plane.
- Rolling straightedge is no longer used by the DOTD.



QUALITY ASSURANCE

(In addition to Sampling and Testing and Documentation...)

- Inspection – a passing sample does not override a failing inspection!
- Personnel Qualification – Must be qualified to sample and to test
- Equipment Qualification – we certify haul trucks, concrete trucks, profilers, paving equipment, lab equipment, etc...

Materials Lab Website

Customer Satisfaction Survey

District Map

Forms & Worksheets

Laboratory Units

Mat Lab Telephone Listing

Materials Sampling Manual

Miscellaneous

(MS4) Storm Water Page

New Products Evaluation

Quality Assurance Manuals

Approved Materials List

Testing Procedures Manual

Links

**Obsolete MATT Info / Codes

Printable forms and worksheets (test templates, CDs, etc.)

Downloadable materials sampling manuals

Downloadable quality assurance manuals

Searchable approved materials list

Downloadable test procedures (TRs)

Materials Lab

The mission of the Materials and Testing Section is to develop, administer, and regulate the Department's Materials Quality Assurance Program, environmental evaluation programs, and the geotechnical exploration and testing programs in cooperation with our public and private partners.

The Materials Quality Assurance Program includes materials evaluation and design, materials specification development, and conformance programs.

Location Information

Physical Address	Materials and Testing Section 5080 Florida Blvd Baton Rouge, LA 70806-4123
Mailing Address	P.O. Box 94245 Baton Rouge, LA 70804-9245
Phone Number	(225) 248-4131
Fax Number	(225) 248-4187
Group Email	 DOTD-MaterialsLab@la.gov

Contacts

Name	Phone	Title
 BRIAN KEITH OWENS	225-248-4131	Materials Engineer Administrator
 LORIE LEE DAVIS	225-248-4132	Administrative Assistant
 RITTIRONG CHAROENPAP	225-248-4217	Assistant Materials Engineer Administrator
 JASON K. DAVIS	225-248-4106	Field Quality Assurance Administrator
 PAUL J GARNEAU	225-248-4102	Special Testing Engineer Intern
 PATRICK J ICENOGL	225-248-4103	Materials Engineer - Automation
 DOUGLAS W. CHANDLER	225-248-4116	ENGINEERING TECH-DCL
 DAVID A CAILLET	225-248-4105	Materials Testing and Evaluation Engineer
 MICHAEL A GRUBB	225-248-4121	ENGINEER INTERN 2