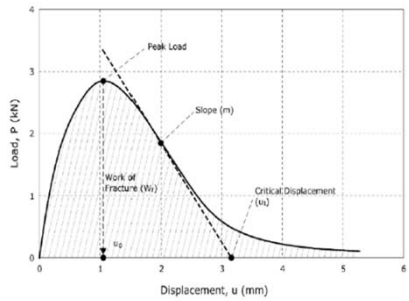
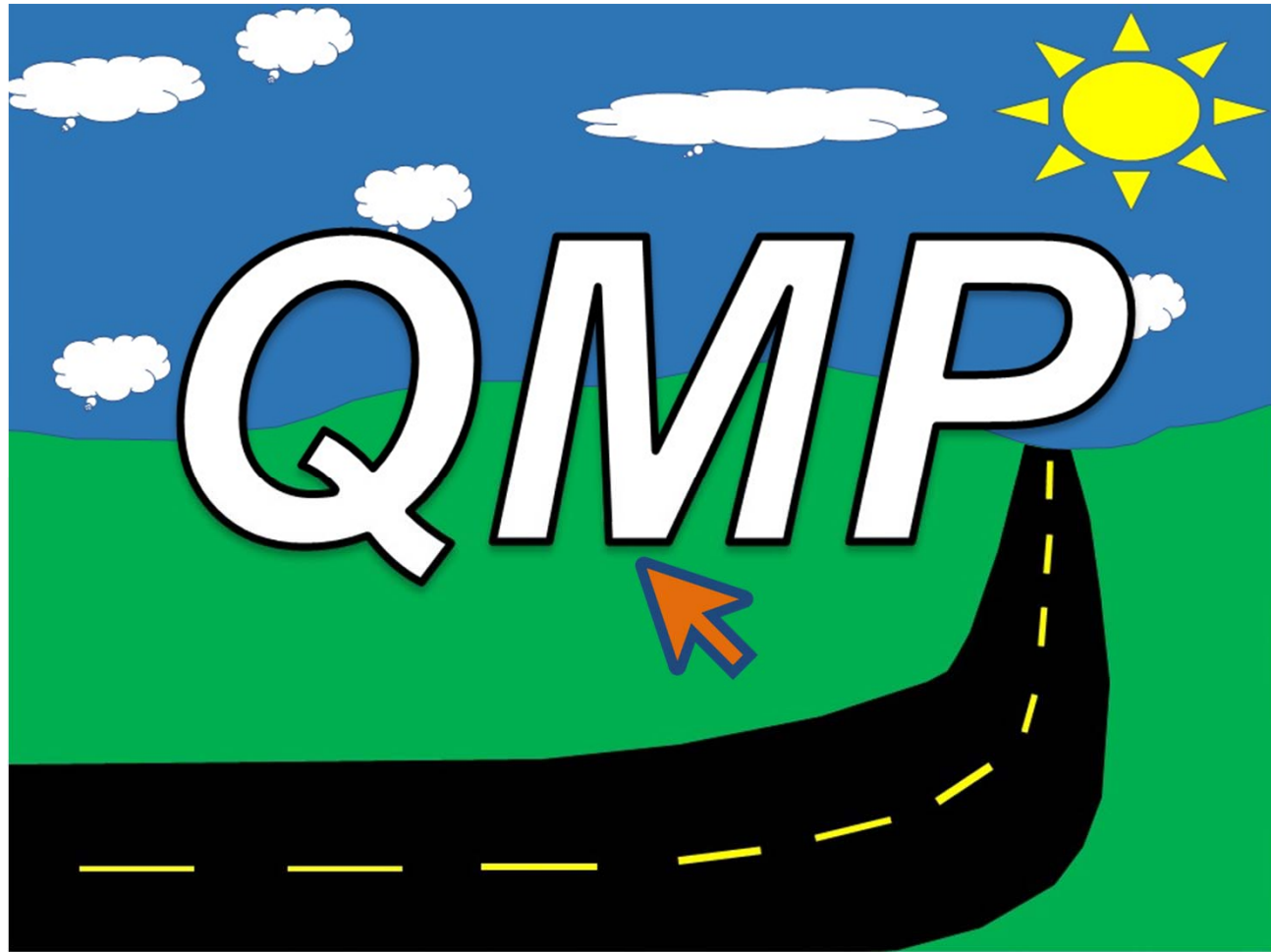


2020 QMP Package Updates



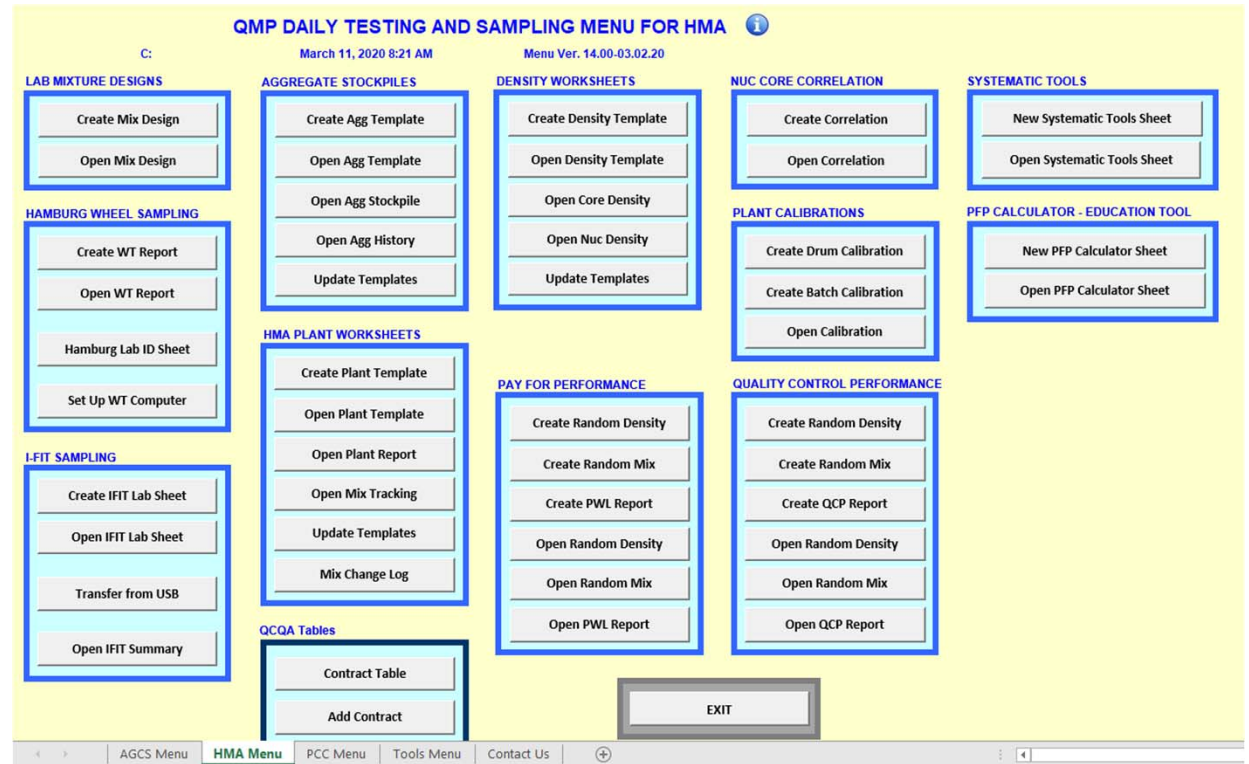
Date	Test ID	Test Name	Test Results
2020-10-15	001	MPA	2.5
2020-10-15	002	MPA	2.5
2020-10-15	003	MPA	2.5
2020-10-15	004	MPA	2.5
2020-10-15	005	MPA	2.5
2020-10-15	006	MPA	2.5
2020-10-15	007	MPA	2.5
2020-10-15	008	MPA	2.5
2020-10-15	009	MPA	2.5
2020-10-15	010	MPA	2.5
2020-10-15	011	MPA	2.5
2020-10-15	012	MPA	2.5
2020-10-15	013	MPA	2.5
2020-10-15	014	MPA	2.5
2020-10-15	015	MPA	2.5
2020-10-15	016	MPA	2.5
2020-10-15	017	MPA	2.5
2020-10-15	018	MPA	2.5
2020-10-15	019	MPA	2.5
2020-10-15	020	MPA	2.5
2020-10-15	021	MPA	2.5
2020-10-15	022	MPA	2.5
2020-10-15	023	MPA	2.5
2020-10-15	024	MPA	2.5
2020-10-15	025	MPA	2.5
2020-10-15	026	MPA	2.5
2020-10-15	027	MPA	2.5
2020-10-15	028	MPA	2.5
2020-10-15	029	MPA	2.5
2020-10-15	030	MPA	2.5
2020-10-15	031	MPA	2.5
2020-10-15	032	MPA	2.5
2020-10-15	033	MPA	2.5
2020-10-15	034	MPA	2.5
2020-10-15	035	MPA	2.5
2020-10-15	036	MPA	2.5
2020-10-15	037	MPA	2.5
2020-10-15	038	MPA	2.5
2020-10-15	039	MPA	2.5
2020-10-15	040	MPA	2.5
2020-10-15	041	MPA	2.5
2020-10-15	042	MPA	2.5
2020-10-15	043	MPA	2.5
2020-10-15	044	MPA	2.5
2020-10-15	045	MPA	2.5
2020-10-15	046	MPA	2.5
2020-10-15	047	MPA	2.5
2020-10-15	048	MPA	2.5
2020-10-15	049	MPA	2.5
2020-10-15	050	MPA	2.5
2020-10-15	051	MPA	2.5
2020-10-15	052	MPA	2.5
2020-10-15	053	MPA	2.5
2020-10-15	054	MPA	2.5
2020-10-15	055	MPA	2.5
2020-10-15	056	MPA	2.5
2020-10-15	057	MPA	2.5
2020-10-15	058	MPA	2.5
2020-10-15	059	MPA	2.5
2020-10-15	060	MPA	2.5
2020-10-15	061	MPA	2.5
2020-10-15	062	MPA	2.5
2020-10-15	063	MPA	2.5
2020-10-15	064	MPA	2.5
2020-10-15	065	MPA	2.5
2020-10-15	066	MPA	2.5
2020-10-15	067	MPA	2.5
2020-10-15	068	MPA	2.5
2020-10-15	069	MPA	2.5
2020-10-15	070	MPA	2.5
2020-10-15	071	MPA	2.5
2020-10-15	072	MPA	2.5
2020-10-15	073	MPA	2.5
2020-10-15	074	MPA	2.5
2020-10-15	075	MPA	2.5
2020-10-15	076	MPA	2.5
2020-10-15	077	MPA	2.5
2020-10-15	078	MPA	2.5
2020-10-15	079	MPA	2.5
2020-10-15	080	MPA	2.5
2020-10-15	081	MPA	2.5
2020-10-15	082	MPA	2.5
2020-10-15	083	MPA	2.5
2020-10-15	084	MPA	2.5
2020-10-15	085	MPA	2.5
2020-10-15	086	MPA	2.5
2020-10-15	087	MPA	2.5
2020-10-15	088	MPA	2.5
2020-10-15	089	MPA	2.5
2020-10-15	090	MPA	2.5
2020-10-15	091	MPA	2.5
2020-10-15	092	MPA	2.5
2020-10-15	093	MPA	2.5
2020-10-15	094	MPA	2.5
2020-10-15	095	MPA	2.5
2020-10-15	096	MPA	2.5
2020-10-15	097	MPA	2.5
2020-10-15	098	MPA	2.5
2020-10-15	099	MPA	2.5
2020-10-15	100	MPA	2.5



QMP Package 2020

2020 QMP Package

- Initial Installation
 - Placed online on March 6, 2020
 - Email sent on March 9, 2020



HMA QMP Package Updates

Contract Information

- Added Paver Manufacturer & Model for Mainline HMA Surface

The image shows a software dialog box titled "Add Contract, Job, & RE". It contains several input fields for contract details: Contract, Job Number, Resident Engineer, County, Section, Route, District, Project, and City. Below these fields is a section highlighted with a red border, containing the following text and input fields:

Mainline HMA Surface Only Require Paver Input Below

Paver #1 Manufacturer

Paver #1 Model

If Multiple HMA Surface Pavers, Input 2nd Paver Below

Paver #2 Manufacturer

Paver #2 Model

At the bottom of the dialog box are "Cancel" and "Add" buttons.

HMA Mix Design – Update #1

- Updated Aggregate Bulk Specific Gravity Section

Producer Number & Name --> <--- Plant Location

Material Code Number ----> For Use > 1" mat thickness

Mix Design Open

Mix Design Save

Print Design

Email IDOT Form

Email Complete Design

Aggregate Gsb Table

Import Hamburg & I-FIT

EXIT

Plant Bin #	#7	#6	#5	#4	#3	#2	#1	MF	RCY	RCY	RCY	RCY	ASPHALT
Size													
Source (PROD #)													
(NAME)													
(LOC)													
(ADD. INFO)													
Aggregate Blend:													Plan PG Grade >
Mixture Blend:													Totals: ↓
													0.0
													0.0

Agg No.	#7	#6	#5	#4	#3	#2	#1	MF	RCY	RCY	RCY	RCY	Aggregate Blend	Mixture Comp Spec
Sieve Size														
1" [25.0mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	
3/4" [19.0mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	
1/2" [12.5mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	100
3/8" [9.5mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	90-100
No. 4 [4.75mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	60-75
No. 8 [2.36mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	45-60
No. 16 [1.18mm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	25-40
No. 30 [600µm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	15-30
No. 50 [300µm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	8-15
No. 100 [150µm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	6-10
No. 200 [75µm]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	4-6.5
2020 Gsb	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	
Design Gsb	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	Dust/AB
Absorption, %		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	Ratio
													SP GSB AB	1.000
													Change in Combined Gsb	0.00

HMA Mix Design – Update #2

- Updated link to Aggregate Bulk Specific Gravity PDF

Producer Number & Name -->

Material Code Number ---->

Illinois Department of Transportation
Bureau of Materials
Specific Gravity (Gsb) List
December 6, 2019

This list supercedes the December 31, 2018 list. Note: Changes are not high-lighted on this list.
Standard Specifications for Road and Bridge Construction, Articles 1020 and 1030 (Adopted April 1, 2016)

Notes:

- This is the Statewide Specific Gravity (Gsb) list. Gsb values for all new HMA and PCC mix designs shall be obtained from this list.
- Consulting with your district Mixtures Control Engineer to verify the Gsb values, is encouraged prior to the construction season.
- This list will be reviewed and updated every December. Until that time, only new products, ledges or producers will be added.
- Although this list can be used as a "Shopping List", be aware that any change in aggregate source requires a new mix design.
- For Gsb results for all Slag Producers, contact your district Mixtures Control Engineer.
- Aggregate for several PCC uses is required to be tested for Freeze-thaw. Please refer to the "Aggregate Freeze-thaw Rating List" prior to use.

Material Code Definition:
Example: 022CM1101

02	2	CM	11	01*
This designates the quality rating of the aggregate.	This number designates the kind of stone from which the material is produced.	This designates whether the stone is a Coarse Aggregate (CM/CA) or a Fine Aggregate (FM/FA).	This number represents the gradation the material is supposed to meet. i.e. - 11,13,16,20,21,01	This designation is only used for materials that meets the Bridge Superstructure or A+ quality specification.
02 = A Quality 03 = B Quality 04 = C Quality 05 = D Quality	0 = Rounded Gravel 1 = Crushed Gravel 2 = Crushed Stone 3 = ACBF Slag 7 = Natural Sands			
For HMA: <u>Coarse Aggregate:</u> Surface = 02 or 03 Binder = 02, 03, or 04 BAM = All listed above Level Binder = 02, 03, or 04	8 = Manufactured Sands 9 = Steel Slag, Blended Sands, and Crushed Concrete			
<u>Fine Aggregate:</u> All HMA Uses: 02 or 03	The coarse aggregate for HMA mixes shall follow Article 1004.03 (a) of the Standard Specifications (Adopted January 1, 2012)			

Mix Design Open

Mix Design Save

Print Design

Email IDOT Form

Email Complete Design

Aggregate Gsb Table

Import

Export

Agg No.	#7	#
Sieve Size		
1" (25.0mm)	100.0	100
3/4" (19.0mm)	100.0	100
1/2" (12.5mm)	100.0	100
3/8" (9.5mm)	100.0	100
No. 4 (4.75mm)	100.0	100
No. 8 (2.36mm)	100.0	100
No. 16 (1.18mm)	100.0	100
No. 30 (600µm)	100.0	100
No. 50 (300µm)	100.0	100
No. 100 (150µm)	100.0	100
No. 200 (75µm)	100.0	100
2020 Gsb	1.000	1.0
Design Gsb	1.000	1.0
Absorption, %	1.00	1.0

HMA Mix Design – Update #3

- Updated Performance Sample Pilot Brick Wt. Calculation

Gmm	<u>2.445</u>	X	0.93	=	2.274
Gyro Ht. (mm)	<u>160.0</u>		2.274		
			<hr/>	=	2.206
			1.0309		
	2.206	X	2827	=	6238
		6188	&		6288

HMA Mix Design – Update #4

- Added Import Hamburg & I-FIT Data Button (Optional)

Producer Number & Name --> <--- Plant Location
 Material Code Number ----> For Use > 1" mat thickness

Mix Design Open

Mix Design Save

Print Design

Email IDOT Form

Email Complete Design

Aggregate Gsb Table

Import Hamburg & I-FIT

Export

Plant Bin #	#7	#6	#5	Performance Test Data										Y	ASPHALT			
Size				Hamburg No. Passes Hamburg Wheel Depth Unaged Flexibility Index (FI) LTA FI (SURFACE ONLY)														
Source (PROD #)																		
(NAME)																		
(LOC)																		
(ADD. INFO)																		
Aggregate Blend:																		
Mixture Blend:																		
Agg No.	#7	#6	#5													Y	Aggregate Blend	Mixture Comp Spec
Sieve Size																		
1" { 25.0mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	100
3/4" { 19.0mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	90-100
1/2" { 12.5mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	60-75
3/8" { 9.5mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	45-60
No. 4 { 4.75mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	25-40
No. 8 { 2.36mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	15-30
No. 16 { 1.18mm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	8-15
No. 30 { 600µm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	6-10
No. 50 { 300µm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0	4-6.5
No. 100 { 150µm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	
No. 200 { 75µm }	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	
2020 Gsb	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000	Dust/AB
Design Gsb	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000	Ratio
Absorption, %	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	
														SP GR AB	1.000	0.00		
														Change in Combined Gsb				

Hamburg Report

- Added Option to Import Daily Plant Report Info

Date Produced: <input type="text"/> (mmdyyy)	Date WT Tested: <input type="text"/> (mmdyyy)	Enter Pass # Readings	
Lot Number: <input type="text"/>	Lab Test ID: <input type="text"/>	Pass #1	5000
District: <input type="text"/>	Lab Type: <input type="text"/>	Pass #2	7500
Producer #: <input type="text"/>	Type Test: (Design or Field) <input type="text"/>	Pass #3	15000
Producer Name: <input type="text"/>	Tester: <input type="text"/>	Pass #4	20000
Producer Location: <input type="text"/>	Ndes: <input type="text"/>	Rut Failure Depth: (mm) <input type="text"/> 12.5	
Bit #: <input type="text"/>	Contract No.: <input type="text"/>		
Mix Code: <input type="text"/>	Job No.: <input type="text"/>		
Mix Name: <input type="text"/>	Type Sample: (Core/Gyro) <input type="text"/>		
Nom Agg Size: <input type="text"/>	Core Info	Specimen Information	
AB Source: <input type="text"/>	Station: <input type="text"/>	Cure Time (Hrs.): <input type="text"/>	
AB Material Code: <input type="text"/>	Reference: <input type="text"/>	Samples Cut: <input type="text"/>	
AB Grade: <input type="text"/>	Thickness: <input type="text"/>	Gyro MFR: <input type="text"/>	
AB %: <input type="text"/>	VMA: <input type="text"/>	Gyro Model #: <input type="text"/>	
AntiStrip Producer #: <input type="text"/>	Gsb: <input type="text"/>	Conditioned: <input type="text"/>	
AntiStrip Product Name: <input type="text"/>	Mix Type: <input type="text"/>	Unconditioned: <input type="text"/>	
AntiStrip Material Code: <input type="text"/>		Tensile Strength Ratio: <input type="text"/>	
AntiStrip %: <input type="text"/>		Gmm: <input type="text"/>	
<input checked="" type="radio"/> HMA Sample <input type="radio"/> WMA Sample		Specimen Voids	
Aggregate Info:		Left	Right
Size:	7 6 5 4 3 2 1	Puck 1	Puck 1
Source:		Gyros	Gyros
Location:		Puck 2	Puck 2
Add. Info.:		Gyros	Gyros
		Avg.	Avg.
RCY Info:	4 3 2 1		
Type:		Import Mix Design	
Size:		Import DPR Data	
Source:		Get U	
RCY AGG%:		New WT	
RCY AB%:		Open WT	
		Save WT Report	
Remarks 1: <input type="text"/>		EXIT	
Remarks 2: <input type="text"/>			
	(Obtained from Mix Design IDOT Form)		

I-FIT Lab Workbook

- Added Option to Import Hamburg Data Results

I-FIT LABORATORY WORKSHEET

District# Lab ID# Contract

Producer Name

Bit Number Mix Code

Sample Test NMAS

Date Produced

VMA ABR%

AB% RAP%

Gsb RAS%

Gmm Target Voids

Fine Graded

MFR

MDL

Select Import Method

Import Info From Design

Import Info From IFIT Lab Sheet

Import Info From Daily Plant Report

Import Hamburg Data

OK Cancel

Import Info

Email Lab Sheet

Send P...

Print

Upload to IFIT Table

Open IFIT Table

USB Actions

Send Lab Sheet to USB

Transfer USB to Package

IFIT Machine Actions

Import IFIT Data

Complete IFIT Test

Exit

Spec #	1				2				S	Length	AVG
Name	BL	BR	TL	TR	BL	BR	TL	TR			
Dry Wt.											
SSD Wt.											
Sub Wt.											

Spec #	1				2				Spec # 2	Thickness	AVG	Ligament	Notch	AVG	Tot Length	AVG
Volume									BL							
Gmb									BR							
%Voids									TL							
# of Gyros									TR							

Ver. 1.3-03.02.20

Flexibility Index Specimen #1

Flexibility Index Specimen #2

Remarks Specimen

Remarks Specimen

Thanks For Your Attention!

Brian Hill

Central Bureau of Materials

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