MATT MENU SELECTION - 2

Louisiana Department of Transportation and Development

AGGREGATE TEST REPORT

DOTD 03-22-0745
Metric / English
Rev. 11/98

Metric / English [ ] *(M or E – Located on MATT Menu)*

Project No. [ ] **Material Code** [ ] **Lab No.** [ ]

Date Sampled [ ] **Submitted By** [ ] Quantity [ ]

Purp Code [ ] **Source Code** [ ] **Spec Code** [ ] P.O. No. [ ]

Date Tested [ ] Ident [ ] **Plant Code** [ ] Frict. Rating [ ] (1 – 4)

Item No. [ ] Date Rec'd (lab) _____ Sampled By: _____

Remarks 1 [ ]

[ ]

Tested By _____ Date _____ Checked By _____ Date _____

DOTD TR 102, 112, 113 & 309

Unit [ ] 1 = grams 2 = pounds

Sieve mm	Sieve In.	Mass (Wt) Retained	% Retained	% Coarser	% Passing
63	2 1/2				
50	2				
37.5	1 1/2				
31.5	1 1/4				
25.0	1				
19.0	3/4				
16.0	5/8				
12.5	1/2				
9.5	3/8				
4.75	No. 4				
Mass (Wt) Matl.in Pan					
Accum. Total					

Initial Dry Total Mass, (Wt) [ ] % Diff:

Unit [ ] 1 = grams 2 = pounds

Sieve mm/µm	Sieve No.	Mass (Wt) Retained	% Retained	% Coarser	% Passing
2.36	8				
2.00	10				
1.18	16				
600	30				
425	40				
300	50				
180	80				
150	100				
75	200				
53	270				
Mass (Wt) Matl.in Pan					
Decant Loss					
Accum. Total					

Initial Dry Total Mass, (Wt) [ ] % Diff:

Dry Mass (Wt) After Wash [ ]

DOTD TR 428

Liquid Limit _____ Plastic Limit _____

No. Blows	[ ]	Mass cup + Wet Soil, g	[ ]
Mass Cup + Wet Soil, g	[ ]	Mass cup + Dry Soil, g	[ ]
Mass Cup + Dry Soil, g	[ ]	Mass Water	
Mass Water	_____	Cup No.	_____
Factor	_____	Mass Cup, g	[ ]
Cup No.	_____	Mass Dry Soil	_____
Mass Cup, g	[ ]	% Moisture	_____
Mass Dry Soil	_____		
% Moisture	_____	Plasticity Index	_____

Absorption, % (T84 or T85)	[ ]
Spec Grav SSD (T84 or T85)	[ ]
Spec Grav APP (TR 300)	[ ]
Effective Spec Grav (TR 300)	[ ]
Opt Moist Content, % (TR 418)	[ ]
Maximum Density (TR 418) kg/m³ (lb/ft³)	[ ]
Lab Comp Method (TR 418)	[ ]
Cement, % (TR 432 or SPECIFIED)	[ ]
Lime, % (TR 416 or SPECIFIED)	[ ]
Other (Additive) Code [ ]	% [ ]
Clay Lumps, % (TR 119)	[ ]
Friable Particles, % (TR 119)	[ ]
Clay Lumps & Friable Particles %(TR 119)	[ ]
Flat or Elongated Part, %(TR 119)	[ ]
Coal & Lignite, % (TR 119)	[ ]
Glassy Particles, % (TR 119)	[ ]
Iron Ore, % (TR 119)	[ ]
Wood, % (TR 119)	[ ]
Total (Clay Lumps, Fri.Part.,Iron Ore, Coal & Lignite, Wood),%(TR 119)	[ ]
Foreign Matter, % (TR 109)	[ ]
Clam Shell, % (TR 110)	[ ]
Soundness, % Loss (T 104)	[ ]
Abrasion, % Loss (T 96)	[ ]
Colorimetric Test (1=Pass, 2=Fail) (T 21)	[ ]
Asphalt Content, % (TR 307)	[ ]
Retained Asphalt Coating, % (TR 317)	[ ]
Percent Crushed (TR 306)	[ ]
Retained Marshall Stability (TR 313)	[ ]
Resistivity, ohm – cm (TR 429)	[ ]
pH (TR430)	[ ]
Organic Content, % (TR 413)	[ ]
Sand Equivalent (TR 120)	[ ]

Remarks 2:

[ ]

[ ]

[ ]

Approved By: _____ **Date:** _____

APPARENT SPECIFIC GRAVITY (DOTD TR 300)

Tested By:_____ Date:_____

Coarse Aggregate			
Mass in Air	a		
Mass in Water	b		
Difference	c	a - b	
Apparent Specific Gravity	D	a/c	
Fine Aggregate			
Flask No.			
Mass of Flask & Dry Sand	a		
Mass of Flask	b		
Mass of Dry Sand	d	a - b	
Mass of Flask + Sand + Water	c		
Apparent Specific Gravity	E	d/(498.6 – c + a)	
Combined Coarse and Fine Aggregates			
% Passing 4.75mm (No. 4) Sieve	F		
Coarse Spec Grav Portion	G	(100 – F) D	
Fine Spec Grav Portion	H	(F) E	
Apparent Spec Grav	I	G + H	

EFFECTIVE SPECIFIC GRAVITY (DOTD TR 300)

Tested By: _____ Date: _____

Mass of Aggregate	A		
Mass of Mix	B		
% Asphalt in Mix	C	$\frac{B-A}{B} \times 100$	
Mass of Jar + Water	D		
Mass of Jar + Water + Mix	E		
Spec Grav of Mix	F	$\frac{B}{D+B-E}$	
% Aggregate in Mix	X	100 - C	
Specific Gravity of Asphalt Cement	H		
Effective Specific Grav of Aggregate	G	$\frac{X}{\frac{100}{F}-\frac{C}{H}}$	

SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE
(AASHTO T85)

Tested By:_____ Date: _____

Mass of Oven Dry Test Sample in Air, g	A		
Mass of Saturated Surf-Dry Test Sample in Air, g	B		
Mass of Saturated Test Sample in Water, g	C		
Bulk Spec Grav (Saturated-Surf-Dry)		$\frac{B}{B-C}$	
Absorption, %		$\frac{B-A}{A} \times 100$	

PERCENT FOREIGN MATTER (DOTD TR 109)

Tested By:_____ Date: _____

Mass of Material Removed by Hand	A		
Mass of Dried Portion	D		
Mass Total Sample	B	A + D	
Mass of Portion After Wash, Dry	E		
Mass of Material Removed by Wash	C	D – E	
Foreign Matter, %	F	$\frac{A+C}{B} \times 100$	

PERCENT CLAM SHELL (DOTD TR 110)

Tested By:_____ Date: _____

Mass Retained 4.75 mm (No. 4)	A		
Mass Clam Shell	B		
Clam Shell, %	C	$\frac{B}{A} \times 100$	