I2MS Test Form Fields

Purpose

The purpose of this document is to provide information on the tables and fields within I2MS.

Material Test Forms

Material Test Forms are forms used to run tests for a sample. A test form contains a header and footer information which all forms have in common. The differentiating factor of each test form is in the body. Each body of a test form contains fields and

Header Fields

The header information is the metadata of the forms. The header information is vital for searching and analyzing records. All the test forms have similar header information.

Table Name	HEADER_VALUE_OVT			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Course / Lift	course_lift	nvarchar	250		No	N
Direction	direction	nvarchar	250	direction	No	N
Distance from Centerline	dist_from_cl	nvarchar	250		No	N
Feature	feature	nvarchar	250	see validators	Yes	Y
Grade	grade	nvarchar	100	see validators	No	Y
Material	material	nvarchar	100	see validators	Yes	Y
Miscellaneous	misc	nvarchar	250		No	N
Report Type	report_type	nvarchar	250	{Original-Complete, Version-Complete}	No	Y
Roadway	roadway	nvarchar	250	{description}	No	N
Sampled Date	sampled_date	datetime	8	MM/DD/YYYY	Yes	Y
Sample ID	sample_id	nvarchar	13	ABCYYMMDDHHMM	Yes	Y
Sample Location	sample_location	nvarchar	250		No	N
Sample Type	sample_type	nvarchar	100	{Random-Independent, Random-Split, Fixed-Independent, Fixed Split, Internal}	Yes	Y
Sampled By	sampled_by	nvarchar	250	{full_name}	Yes	Y
Section	section	nvarchar	100	see validators	No	N
Spec Item	spec_item	nvarchar	100	see validators	Yes	Y
Spec Year	spec_year	nvarchar	250	YYYY	Yes	Y
Special Provision	special_provision	nvarchar	250	{description}	No	N

Split Sample ID	split_sample_id	nvarchar	250		No	N
Station	station	nvarchar	250	0000+00.00	No	N
Structure Number	structure_number	nvarchar	250	see validators	No	N
Supplier / Producer	supplier	nvarchar	100	{supplier_description}	Yes	Y

Footer Fields

The footer information contains the date and approval fields for each of the test forms.

Table Name	FOOTER_VALUE_OVT			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Authorized By	authorized_by	nvarchar	100		No	Y
Authorized Date	authorized_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Completed Date	completed_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Remarks	remarks	text	16		No	N
Reviewed By	reviewed_by	nvarchar	100		No	Y

Form Specific Information

Moisture Content of Aggregates - (DB-103-E)

Test Name	Moisture Content of Aggregates					
Table Name	VALUE_DB103E_SAMPLE			Maximum Rows	6	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Dish Number	dish_no	nvarchar	100		No	N
Mass of Wet Sample + Tare	wet_sample_tare	decimal	9 (19, 8)		No	N
Mass of Dry Sample + Tare	dry_sample_tare	decimal	9 (19, 8)		No	N
Tare Mass	tare_mass	decimal	9 (19, 8)		No	N
Moisture Content	moisture_content	decimal	9 (19, 8)		No	Y
Wet Weight of Class 2 Flex Base:	wet_weight	decimal	9 (19, 8)		No	N
Payable Weight of Class 2 Flex Base:	payable_weight	decimal	9 (19, 8)		No	N
Test Method	test_method	nvarchar	100	DB-103-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Atterberg Limits – (DB-104-6)

Test Name	Liquid Limit					
Table Name	VALUE_DB104E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Liquid Limit Average	liquid_limit_total	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-104	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB104E_SAMPLE			Maximum Rows	6	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Dish Number	dish_no	nvarchar	100		Yes	N
Mass of Wet Sample + Tare	mass_wet_sample	decimal	9 (19, 8)		No	N
Mass of Dry Sample + Tare	mass_dry_sample	decimal	9 (19, 8)		No	N
Tare Mass	tare_mass	decimal	9 (19, 8)		No	N
Moisture Content	moisture_content	decimal	9 (19, 8)		No	N
Number of Blows	number_blows	int	4		No	N
Liquid Limit	liquid_limit	decimal	9 (19, 8)		No	N
Test Name	Plastic Limit					N
Table Name	VALUE_DB105E_SAMPLE			Maximum Rows	3	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Dish Number	dish_no	nvarchar	100		No	N
Mass of Wet Sample + Tare	mass_wet_sample	decimal	9 (19, 8)		No	N
Mass of Dry Sample + Tare	mass_dry_sample	decimal	9 (19, 8)		No	N
Tare Mass	tare_mass	decimal	9 (19, 8)		No	N
Mass of Water	water_mass	decimal	9 (19, 8)		No	N
Plastic Limit	plastic_limit	decimal	9 (19, 8)		No	N

Table Name	VALUE_DB105E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Plastic Limit Average	plastic_limit_total	decimal	9 (19, 8)		No	N
Test Method	test_method	nvarchar	100	DB-105	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	N
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	N
Stamp Code	stamp_code	int	4		No	N
Test Name	Plasticity Index					
Table Name	VALUE_DB106E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Plasticity Index	plasticity_index	int	4		No	Y
Use Bar Linear Shrinkage	use_bar_linear	nvarchar	100	{Yes, No}	No	N
Test Number Reference	test_number_reference	nvarchar	100		No	N
Test Method	test_method	nvarchar	100	DB-106	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Bar Linear Shrinkage – (DB-107-E)

Test Name	Bar Linear Shrinkage					
Table Name	VALUE_DB107E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Unit	unit	nvarchar	100		No	N
Initial Length	initial_length	decimal	9 (19, 8)		No	N
Final Length	final_length	decimal	9 (19, 8)		No	N
Linear Shrinkage	linear_shrinkage	decimal	9 (19, 8)		No	Y
Minimum by Specification	minimum_by_specification	decimal	9 (19, 8)		No	N
Maximum by Specification	maximum_by_specification	decimal	9 (19, 8)		No	N
Calculate Plasticity Index	calculate_plasticity_index	Bit	1	{1, 0}	No	N
Plasticity Index	plasticity_index	decimal	9 (19, 8)		No	N
Test Method	test_method	nvarchar	100	DB-107-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Particle Size Analysis – (DB-110-E)

Test Name	PARTICLE SIZE ANALYSIS					
Table Name	VALUE_DB110E_SIEVE			Maximum Rows	6	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Cumulative Percent Retained	cumulative_pct_retained	decimal	9 (19, 8)		No	Y
Cumulative/Individual Weight Retained	cumulative_weight_retained	decimal	9 (19, 8)		No	N
Lower Spec Limit	lower_spec_limit	decimal	9 (19, 8)		No	N
Within Master Grading	master_grading	nvarchar	100	{Yes, No}	No	Y
Sieve Size	sieve_size	nvarchar	100	see validator	No	Y
Upper Spec Limit	upper_spec_limit	decimal	9 (19, 8)		No	N
Weight Retained	weight_retained	decimal	9 (19, 8)		No	N
Table Name	VALUE_DB110E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Type of Weight Retained	individual_cumulative	nvarchar	100	{Cumulative, Individual}	No	N
No. -40	negative_no_40	nvarchar	100		No	N
Stamp Code	stamp_code	int	4		No	Y
Test Method	test_method	nvarchar	100	DB-110-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Total Weight Retained	total	nvarchar	100		No	N

Moisture-Density Relations of Base Material and Cohesionless Sand – (DB-113-E)

Test Name	Moisture-Density Relations of Base Material and Cohesionless Sand					
Table Name	VALUE_DB113E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Dry Density Scale Max	dry_density_scale_max	decimal	9 (19, 8)		No	N
Dry Density Scale Min	dry_density_scale_min	decimal	9 (19, 8)		No	N
Dry Density Scale unit	dry_density_scale_unit	decimal	9 (19, 8)		No	N
Hygroscopic Moisture	hygroscopic_moisture	decimal	9 (19, 8)		No	N
Max Density, kg/m^3	max_density_kg	decimal	9 (19, 8)		No	N
Max Density, pcf	max_density_pcf	decimal	9 (19, 8)		No	Y
Moisture scale max	moisture_scale_max	decimal	9 (19, 8)		No	N
Moisture scale min	moisture_scale_min	decimal	9 (19, 8)		No	N
Moisture scale unit	moisture_scale_unit	decimal	9 (19, 8)		No	N
Optimum Moisture	optimum_moisture	decimal	9 (19, 8)		No	Y
Oven Dry Weight	oven_dry_weight	decimal	9 (19, 8)		No	N

Soil Description	soil_desc	nvarchar	100		No	Y
Specific Gravity	specific_gravity	decimal	9 (19, 8)		No	N
Stamp Code	stamp_code	int	4		No	Y
Test Method	test_method	nvarchar	100	DB-113-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Weight of Aggregate Pycnometer & Water	weight_of_aggr	decimal	9 (19, 8)		No	N
Weight of Pycnometer & Water	weight_of_pycnometer	decimal	9 (19, 8)		No	N
Table Name	VALUE_DB113E_SPECIMEN			Maximum Rows	3	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Percent Water Content	pct_water_content	decimal	9 (19, 8)		No	N
Mass Material	mass_material	decimal	9 (19, 8)		No	N
Mass Water Added	mass_water_added	decimal	9 (19, 8)		No	N
Tare Mass Mold	tare_mass_mold	decimal	9 (19, 8)		No	N
Wet Mass Specimen & Mold	wet_mass_specimen_mold	decimal	9 (19, 8)		No	N
Wet Mass Specimen	wet_mass_specimen	decimal	9 (19, 8)		No	N
Height of Specimen	height_specimen	decimal	9 (19, 8)		No	N
Volume Per Linear	volume_per_linear	decimal	9 (19, 8)		No	N
Volume of Specimen	volume_specimen	decimal	9 (19, 8)		No	N
Wet Density of Specimen	wet_density_specimen	decimal	9 (19, 8)		No	N
Wet Mass Of Pan & Specimen	wet_mass_pan_specimen	decimal	9 (19, 8)		No	N
Dry Mass Pan & Specimen	dry_mass_pan_specimen	decimal	9 (19, 8)		No	N
Tare Mass Pan	tare_mass_pan	decimal	9 (19, 8)		No	N
Dry Mass Material	dry_mass_material	decimal	9 (19, 8)		No	N
Mass Water	mass_water	decimal	9 (19, 8)		No	N
Percent Water On Total	pct_water_total	decimal	9 (19, 8)		No	N
Dry Density	dry_density	decimal	9 (19, 8)		No	N
Estimated Dry Density	est_dry_density	decimal	9 (19, 8)		No	N

Moisture-Density Relationship of Subgrade and Embankment Soils – (DB-114-E)

Test Name	Moisture-Density Relationship of Subgrade and Embankment Soils					
Table Name	VALUE_DB114E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Dry Density Scale Max	dry_density_scale_max	Decimal	9 (19, 8)		No	N
Dry Density Scale Min	dry_density_scale_min	Decimal	9 (19, 8)		No	N
Dry Density Scale unit	dry_density_scale_unit	Decimal	9 (19, 8)		No	N

Hygroscopic Moisture	hygroscopic_moisture	Decimal	9 (19, 8)		No	N
Max Density (kg)	max_density_kg	Decimal	9 (19, 8)		No	N
Max Density (pcf)	max_density_pcf	Decimal	9 (19, 8)		No	Y
Moisture scale max	moisture_scale_max	Decimal	9 (19, 8)		No	N
Moisture scale min	moisture_scale_min	Decimal	9 (19, 8)		No	N
Moisture scale unit	moisture_scale_unit	Decimal	9 (19, 8)		No	N
Optimum Moisture	optimum_moisture	Decimal	9 (19, 8)		No	Y
Oven Dry Weight	oven_dry_weight	Decimal	9 (19, 8)		No	N
Soil Descript	soil_description	nvarchar	100		No	Y
Specific Gravity	specific_gravity	Decimal	9 (19, 8)		No	N
Stamp Code	stamp_code	int	4		No	Y
Test Method	test_method	nvarchar	100		No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4		No	Y
Weight of Aggr., Pycn. & Water	weight_of_aggr	Decimal	9 (19, 8)		No	N
Weight of Pycnometer & Water	weight_of_pycnometer	Decimal	9 (19, 8)		No	N
Table Name	VALUE_DB114E_SPECIMEN			Maximum Rows	4	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Percent Water Content	pct_water_content	Decimal	9 (19, 8)		No	N
Mass Material	mass_material	Decimal	9 (19, 8)		No	N
Mass Water Added	mass_water_added	Decimal	9 (19, 8)		No	N
Wet Mass Specimen & Mold	wet_mass_specimen_mold	Decimal	9 (19, 8)		No	N
Tare Mass Mold	tare_mass_mold	Decimal	9 (19, 8)		No	N
Wet Mass Specimen	wet_mass_specimen	Decimal	9 (19, 8)		No	N
Height of Specimen	height_specimen	Decimal	9 (19, 8)		No	N
Volume Per Linear mm	volume_per_linear	Decimal	9 (19, 8)		No	N
Volume of Specimen	volume_specimen	Decimal	9 (19, 8)		No	N
Wet Density of Specimen	wet_density_specimen	Decimal	9 (19, 8)		No	N
Wet Mass of Pan & Specimen	wet_mass_pan_specimen	Decimal	9 (19, 8)		No	N
Dry Mass Pan & Specimen	dry_mass_pan_specimen	Decimal	9 (19, 8)		No	N
Tare Mass Pan	tare_mass_pan	Decimal	9 (19, 8)		No	N
Dry Mass Material	dry_mass_material	Decimal	9 (19, 8)		No	N
Mass Water	mass_water	Decimal	9 (19, 8)		No	N
Percent Water Total	pct_water_total	Decimal	9 (19, 8)		No	N
Dry Density	dry_density	Decimal	9 (19, 8)		No	N
Estimated Dry Density	est_dry_density	Decimal	9 (19, 8)		No	N

Nuclear Density and Moisture Determination – (DB-115-1)

Test Name	Nuclear Density and Moisture Determination					
Table Name	VALUE_DB115_1			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Determined By Test Method	determined_by_test_method	nvarchar	100	{DB-113-E, DB-114-E}	No	N
Maximum Dry Density, pcf	max_dry_density_pcf	decimal	9 (19, 8)		No	Y
Optimum Moisture Content	optimum_moisture_content_pct	decimal	9 (19, 8)		No	Y
Density Standard	density_standard	int	4		No	N
Moisture Standard	density_count	int	4		No	N
Density Count	moisture_standard	int	4		No	N
Moisture Count	moisture_count	int	4		No	N
Probe Depth	probe_depth	decimal	9 (19, 8)		No	Y
Gauge Number	gauge_no	nvarchar	100		No	Y
Wet Density, pcf	wet_density_pcf	decimal	9 (19, 8)		No	N
Dry Density, pcf	dry_density_pcf	decimal	9 (19, 8)		No	Y
Moisture Content	moisture_content_pct	decimal	9 (19, 8)		No	Y
Moisture Content Pass/Fail	moisture_content_pct_pass_fail	nvarchar	100	{Pass, Fail}	No	N
Density	density_pct	decimal	9 (19, 8)		No	Y
Density Pass/Fail	density_pct_pass_fail	nvarchar	100	{Pass, Fail}	No	N
Density Specification Low Requirement	density_specification_req_min	decimal	9 (19, 8)		No	N
Density Specification High Specification	density_specification_req_max	decimal	9 (19, 8)		No	N
Moisture Specification Requirement Low Specification	moisture_specification_req_min	decimal	9 (19, 8)		No	N
Moisture Specification Requirement High Specification	moisture_specification_req_max	decimal	9 (19, 8)		No	N
Soil Description	soil_desc	nvarchar	100		No	Y
Test Method	test_method	nvarchar	100	DB-115	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Soil / Aggregate Field Unit Weight Tests Sand Cone Method – (DB-115-2)

Test Name	Soil / Aggregate Field Unit Weight Tests Sand Cone Method					
Table Name	VALUE_DB115_2			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sand bulk unit weight	sand_bulk_unit_weight	decimal	9 (19, 8)		No	N
Initial weight of sand	initial_weight_sand	decimal	9 (19, 8)		No	N

Final weight of sand	final_weight_sand	decimal	9 (19, 8)		No	N
Volume of surface	volume_surface	decimal	9 (19, 8)		No	N
Initial weight of apparatus & sand	initial_weight_apparatus	decimal	9 (19, 8)		No	N
Final weight of apparatus & sand	final_weight_apparatus	decimal	9 (19, 8)		No	N
Total volume-sand used	total_volume	decimal	9 (19, 8)		No	N
Volume of hole	volume_hole	decimal	9 (19, 8)		No	N
Weight of material from hole	weight_material_hole	decimal	9 (19, 8)		No	N
Wet unit weight	wet_unit_weight	decimal	9 (19, 8)		No	N
Optimum moisture	optimum_moisture	decimal	9 (19, 8)		No	Y
Maximum dry unit weight	max_dry_unit_weight	decimal	9 (19, 8)		No	Y
Wet weight total moisture sample	wet_weight_total_moisture	decimal	9 (19, 8)		No	N
Dry weight total moisture sample	dry_weight_total_moisture	decimal	9 (19, 8)		No	N
Percent Moisture	pct_moisture	decimal	9 (19, 8)		No	Y
Dry unit weight	dry_unit_weight	decimal	9 (19, 8)		No	Y
Compaction	compaction_pct	decimal	9 (19, 8)		No	Y
Moisture Required	moisture_req_pct	decimal	9 (19, 8)		No	N
Compaction Required	compaction_req_pct	decimal	9 (19, 8)		No	N
Pass/Fail Percent Moisture	pass_fail_pct_moisture	nvarchar	100	{Pass, Fail}	No	N
Pass/Fail Percent Density	pass_fail_pct_density	nvarchar	100	{Pass, Fail}	No	N
Soil Description	soil_desc	nvarchar	100		No	Y
Test Method	test_method	nvarchar	100	DB-115-2	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Resistance to Degradation by Wet Ball Mill Method - (DB-116-E)

Test Name	Resistance to Degradation by Wet Ball Mill Method					
Table Name	VALUE_DB116E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Type of Weight Retained	cumulative_method	nvarchar	50	{Cumulative, Individual}	No	N
Original Sieve Analysis Total Weight Retained	weight_retained_total	decimal	9 (19, 8)		No	N
Part I 3500g Preparation Total Individual Weight Retained	individual_weight_retained_3500g_total	decimal	9 (19, 8)		No	N
Part II 3000g Preparation Total Individual Weight Retained	individual_weight_retained_3000g_total	decimal	9 (19, 8)		No	N
Part I Wet Ball Mill Initial Weight	wbm_initial_weight	decimal	9 (19, 8)		No	N

Part I Wet Ball Mill Weight Retained (No. 40)	wbm_weight_retained_no40	decimal	9 (19, 8)		No	N
Part I Wet Ball Mill Weight Retained (No. -40)	wbm_weight_retained_minusno40	decimal	9 (19, 8)		No	N
Part I Wet Ball Mill Individual Percent Retained (No. 40)	wbm_individual_pct_retained_no40	decimal	9 (19, 8)		No	N
Part I Wet Ball Mill Individual Percent Retained (-No. 40)	wbm_individual_pct_retained_minusno40	decimal	9 (19, 8)		No	N
Part II Washed Sieve Analysis Initial Weight	wsa_initial_weight	decimal	9 (19, 8)		No	N
Part II Washed Sieve Analysis Weight Retained (No. 40)	wsa_weight_retained_no40	decimal	9 (19, 8)		No	N
Part II Washed Sieve Analysis Weight Retained (No. -40)	wsa_weight_retained_minusno40	decimal	9 (19, 8)		No	N
Part II Washed Sieve Analysis Individual Percent Retained (No. 40)	wsa_individual_pct_retained_no40	decimal	9 (19, 8)		No	N
Part II Washed Sieve Analysis Individual Percent Retained (-No. 40)	wsa_inidividual_pct_retained_minusno40	decimal	9 (19, 8)		No	N
Wet Ball Mill Value	wbm_value	decimal	9 (19, 8)		No	Y
Percent Soil Binder	pct_soil_binder	decimal	9 (19, 8)		No	N
Percent Soil Binder Increase	pct_soil_binder_increase	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-116	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	**VALUE_DB116E_SIEVE**			**Maximum Rows**	**7**	**Data**
Field Description	**Field Name**	**Data Type**	**Length**	**Values**	**Required**	**Transfer**
Original Sieve Analysis Cumulative Percent Retained	cumulative_pct_retained	decimal	9 (19, 8)		No	N
Part II 3000g Preparation Cumulative Weight Retained	cumulative_weight_retained_3000g	decimal	9 (19, 8)		No	N
Part I 3500g Preparation Cumulative Weight Retained	cumulative_weight_retained_3500g	decimal	9 (19, 8)		No	N
Original Sieve Analysis Individual Percent Retained	individual_pct_retained	decimal	9 (19, 8)		No	N
Part II 3000g Preparation Individual Weight Retained	individual_weight_retained_3000g	decimal	9 (19, 8)		No	N
Part I 3500g Preparation Individual Weight Retained	individual_weight_retained_3500g	decimal	9 (19, 8)		No	N
Sieve Size	sieve_size	nvarchar	50		No	N

Original Sieve Analysis Individual Weight Retained	weight_retained	decimal	9 (19, 8)		No	N

Triaxial Compression Tests – (DB-117-E)

Test Name	Triaxial Compression Tests					
Table Name	VALUE_DB117E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Classification	classification	nvarchar	100	Manual : Part II	No	N
Internal Angle of Friction	internal_angle_friction	decimal	9 (19, 8)		No	N
Cohesion, psi	cohesion_psi	decimal	9 (19, 8)		No	N
Correlation Factor	correlation_factor	decimal	9 (19, 8)		No	N
Average Corrected Strength, 00 psi	average_corrected_strength_0psi	decimal	9 (19, 8)		No	Y
Average Corrected Strength, 15 psi	average_corrected_strength_15psi	decimal	9 (19, 8)		No	Y
Grade, 00 psi	grade_0psi	nvarchar	100		No	N
Grade, 15 psi	grade_15psi	nvarchar	100		No	N
Test Method	test_method	nvarchar	100	DB-117-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB117E_SPECIMEN			Maximum Rows	8	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Initial Height of Specimen	initial_height	decimal	9 (19, 8)		No	N
Height of Stone 1	height_stone1	decimal	9 (19, 8)		No	N
Height of Stone 2	height_stone2	decimal	9 (19, 8)		No	N
New Height of Specimen	new_height	decimal	9 (19, 8)		No	N
Average Diameter	avg_diameter	decimal	9 (19, 8)		No	N
Area	area	decimal	9 (19, 8)		No	N
Avg. Cross Sectional Area	avg_cross_sectional_area	decimal	9 (19, 8)		No	N
Lateral Pressure	lateral_pressure_psi	decimal	9 (19, 8)		No	N
Weight of Stones and Specimen	weight_stones_specimen	decimal	9 (19, 8)		No	N
Final Weight of Stones	uncorrected_stress_psi	decimal	9 (19, 8)		No	N
Weight of Specimen	final_weight_stones	decimal	9 (19, 8)		No	N
Dry Density of Specimen	weight_specimen	decimal	9 (19, 8)		No	N
Moisture of Specimen	dry_density_specimen_pcf	decimal	9 (19, 8)		No	N
Uncorrected Stress	pct_moisture_specimen	decimal	9 (19, 8)		No	N
% Strain	pct_strain	decimal	9 (19, 8)		No	N
I-Strain	i_strain	decimal	9 (19, 8)		No	N

Corrected Stress	corrected_stress_psi	decimal	9 (19, 8)		No	N

Soil-Cement, Soil-Lime Testing – (DB-120-E)

Test Name	Soil-Cement, Soil-Lime Testing					
Table Name	VALUE_DB120E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Performed By DB-120-E:	performed_by	nvarchar	200	Manual	No	N
Percent Cement, (%)	percent_cement	decimal	9 (19, 8)		No	Y
Avg. Corrected Stress, psi:	avg_corrected_stress_psi	decimal	9 (19, 8)		No	Y
Target Stress, psi:	target_stress_psi	decimal	9 (19, 8)		No	N
Target Percent Cement, %:	target_percent_cement	decimal	9 (19, 8)		No	N
Tested By	tested_by	nvarchar	200	{full_name}	No	Y
Tested Date	tested_date	smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB120E_SPECIMEN			Maximum Rows	3	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Circumference	circumference	decimal	9 (19, 8)		No	N
Area	area	decimal	9 (19, 8)		No	N
Avg. Cross Sectional Area	avg_cross_section_area	decimal	9 (19, 8)		No	N
Lateral Pressure	lateral_pressure	decimal	9 (19, 8)		No	N
Ring Factor	ring_factor	decimal	9 (19, 8)		No	N
Dead Load	dead_load	decimal	9 (19, 8)		No	N
Max. Load Reading	max_load_reading	decimal	9 (19, 8)		No	N
Deformation at Max Load	deformation_at_max_load	decimal	9 (19, 8)		No	N
Uncorrected Stress	uncorrected_stress	decimal	9 (19, 8)		No	N
% Strain	pct_strain	decimal	9 (19, 8)		No	N
I-Strain	i_strain	decimal	9 (19, 8)		No	N
Corrected Stress	corrected_stress	decimal	9 (19, 8)		No	N
Avg. Corrected Stress	avg_corrected_stress	decimal	9 (19, 8)		No	N
Percent Cement	percent_cement	decimal	9 (19, 8)		No	N
Initial Height of Specimen, in.:	initial_height_specimen	decimal	9 (19, 8)		No	N
Height of Stone 1, in.	height_stone1	decimal	9 (19, 8)		No	N
Height of Stone 2, in.	height_stone2	decimal	9 (19, 8)		No	N
New Height of Specimen, in.:	new_height_specimen	decimal	9 (19, 8)		No	N
Average Diameter, in.:	avg_diameter	decimal	9 (19, 8)		No	N

Soil-Lime Testing – (DB-121-E)

Test Name	Soil-Lime Testing					
Table Name	VALUE_DB121E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Performed By DB-117-E	classification	nvarchar	100	Manual : Part II	No	N
Internal Angle Friction	internal_angle_friction	decimal	9 (19, 8)		No	N
Cohesion psi	cohesion_psi	decimal	9 (19, 8)		No	N
Correlation Factor	correlation_factor	decimal	9 (19, 8)		No	N
00 psi Average Corrected Strength	average_corrected_strength_0psi	decimal	9 (19, 8)		No	Y
00 psi Grade	grade_0psi	nvarchar	100		No	N
15 psi Average Corrected Strength	average_corrected_strength_15psi	decimal	9 (19, 8)		No	Y
15 psi Grade	grade_15psi	nvarchar	100		No	N
Test Method	test_method	nvarchar	100	DB-121-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB121E_SPECIMEN			Maximum Rows	8	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Initial Height of Specimen	initial_height	decimal	9 (19, 8)		No	N
Height of Stone 1	height_stone1	decimal	9 (19, 8)		No	N
Height of Stone 2	height_stone2	decimal	9 (19, 8)		No	N
New Height of Specimen	new_height	decimal	9 (19, 8)		No	N
Average Diameter	avg_diameter	decimal	9 (19, 8)		No	N
Area	area	decimal	9 (19, 8)		No	N
Avg. Cross Sectional Area	avg_cross_sectional_area	decimal	9 (19, 8)		No	N
Lateral Pressure	lateral_pressure_psi	decimal	9 (19, 8)		No	N
Weight of Stones and Specimen	weight_stones_specimen	decimal	9 (19, 8)		No	N
Final Weight of Stones	final_weight_stones	decimal	9 (19, 8)		No	N
Weight of Specimen	weight_specimen	decimal	9 (19, 8)		No	N
Dry Density of Specimen	dry_density_specimen_pcf	decimal	9 (19, 8)		No	N
Moisture of Specimen	pct_moisture_specimen	decimal	9 (19, 8)		No	N
Uncorrected Stress	uncorrected_stress_psi	decimal	9 (19, 8)		No	N
% Strain	pct_strain	decimal	9 (19, 8)		No	N
I-Strain	i_strain	decimal	9 (19, 8)		No	N
Corrected Stress	corrected_stress_psi	decimal	9 (19, 8)		No	N

Density of Asphalt Stabilized Base – (DB-126-E)

Test Name	Density of Asphalt Stabilized Base					
Table Name	VALUE_DB126E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Gauge Reading Type	broken_method	nvarchar	20	Fast Break, Slow Break	No	N
Max Density Specimen Date Molded	molded_date_max	Smalldatetime	4	MM/DD/YYYY	No	N
Max Density Specimen Mold Number	mold_number_max	nvarchar	100		No	N
Max Density Specimen Percent Asphalt in Mix	asphalt_pct_max	decimal	9 (19, 8)		No	N
Max Density Specimen Weight of Material	weight_of_mat_max	decimal	9 (19, 8)		No	N
Max Density Specimen Height of Specimen	height_max	decimal	9 (19, 8)		No	N
Max Density Specimen Measured Weight	measured_weight_max	decimal	9 (19, 8)		No	N
Max Density Specimen Weight of Plate	weight_of_plates_max	decimal	9 (19, 8)		No	N
Max Density Specimen Weight of Filters	weight_of_filters_max	decimal	9 (19, 8)		No	N
Max Density Specimen Weight of Specimen	weight_of_specimen_max	decimal	9 (19, 8)		No	N
Max Density Specimen Volume of Mold (ft^3/in.)	volume_of_mold_max	decimal	9 (19, 8)		No	N
Max Density Specimen Volume of Specimen(ft^3)	volume_of_specimen_max	decimal	9 (19, 8)		No	N
Max Density Specimen Density of Specimen (lbs./ft^3)	density_of_specimen_max	decimal	9 (19, 8)		No	Y
Max Density Specimen Date Broken	date_broken_max	Smalldatetime	4	MM/DD/YYYY	No	N
Max Density Specimen Gauge Reading (psi)	gague_reading_psi_max	decimal	9 (19, 8)		No	N
Max Density Specimen Unconfined Compressive Strength (psi)	UCS_max	nvarchar	100		No	Y
Lower Density Specimen Date Molded	molded_date_min	Smalldatetime	4	MM/DD/YYYY	No	N
Lower Density Specimen Mold Number	mold_number_min	nvarchar	100		No	N
Lower Density Specimen Percent Asphalt in Mix	asphalt_pct_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Weight of Material	weight_of_mat_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Height of Specimen	height_min	decimal	9 (19, 8)		No	N

Lower Density Specimen Measured Weight	measured_weight_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Weight of Plate (lbs.)(C)	weight_of_plates_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Weight of Filters (lbs.)	weight_of_filters_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Weight of Specimen (lbs.)	weight_of_specimen_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Volume of Mold (ft^3/in.)	volume_of_mold_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Volume of Specimen(ft^3)	volume_of_specimen_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Density of Specimen (lbs./ft^3)	density_of_specimen_min	decimal	9 (19, 8)		No	Y
Lower Density Specimen Date Broken	date_broken_min	Smalldatetime	4	MM/DD/YYYY	No	N
Lower Density Specimen Gauge Reading (psi)	gague_reading_psi_min	decimal	9 (19, 8)		No	N
Lower Density Specimen Unconfined Compressive Strength	UCS_min	nvarchar	100		No	Y
Minimum Allowable Density	min_allowable_density	decimal	9 (19, 8)		No	N
Minimum Percent Density	min_pct_density	decimal	9 (19, 8)		No	N
Minimum Specimen Unconfined Compressive Strength	min_specimen_UCS	decimal	9 (19, 8)		No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Determining Soil PH – (DB-128-E)

Test Name	Determining Soil PH					
Table Name	VALUE_DB128E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Soil pH	soil_ph	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-128-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Measuring the Resistivity of Soil Materials – (DB-129-E)

Test Name	Measuring the Resistivity of Soil Materials					
Table Name	VALUE_DB129E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Area of one electrode	sbf_area	decimal	9 (19, 8)		No	N
Distance between electrodes, (cm)	sbf_distance	decimal	9 (19, 8)		No	N
Soil Box Factor	sbf_factor	decimal	9 (19, 8)		No	N
Resistance using resistivity meter, (ohms)	resistance_using_meter	decimal	9 (19, 8)		No	N
Resistivity (ohm-cm)	resistivity_result	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-129-E	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Measuring Thickness of Pavement Layer – (DB-140-E)

Test Name	Measuring Thickness of Pavement Layer					
Table Name	VALUE_DB140E			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Average Depth	avg_depth	decimal	9 (19, 8)		No	Y
Depth 1	depth_1	decimal	9 (19, 8)		No	N
Depth 2	depth_2	decimal	9 (19, 8)		No	N
Depth 3	depth_3	decimal	9 (19, 8)		No	N
Stamp Code	stamp_code	int	4		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y

Sieve Analysis of Non-Surface Treatment Aggregates - (DB-200-F)

Test Name	Sieve Analysis of Non-Surface Treatment Aggregates					
Table Name	VALUE_DB200F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Original Dry Weight	original_dry_weight	decimal	9 (19, 8)		No	N
Dry Weight After Washing	dry_weight_after_washing	decimal	9 (19, 8)		No	N
Limit As Percent	limit_as_percent	nvarchar	100	{Passing, Retained}	No	N
Cumulative Weight Retained Minusno14	cumulative_weight_retained_minusno14	decimal	9 (19, 8)		No	N

Sieving Loss	sieving_loss	decimal	9 (19, 8)		No	N
Washing Loss	washing_loss	decimal	9 (19, 8)		No	N
Sieve Analysis Result 1	sieve_analysis_result1	nvarchar	100		No	N
Sieve Analysis Result 2	sieve_analysis_result2	decimal	9 (19, 8)		No	N
Sieve Analysis Result 3	sieve_analysis_result3	decimal	9 (19, 8)		No	N
Sieve Analysis Result 4	sieve_analysis_result4	decimal	9 (19, 8)		No	N
Total Weight	total_weight	decimal	9 (19, 8)		No	N
Test Method	test_method	nvarchar	100	DB-200-F	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB200F_SIEVE			Maximum Rows	12	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sieve Size	sieve_size	nvarchar	100		No	Y
Cumulative Weight Retained	cumulative_weight_retained	decimal	9 (19, 8)		No	N
Individual Weight Retained	individual_weight_retained	decimal	9 (19, 8)		No	N
Cumulative Percent Retained	cumulative_pct_retained	decimal	9 (19, 8)		No	Y
Cumulative Percent Passing	cumulative_pct_passing	decimal	9 (19, 8)		No	N
Lower Limit Grading	lower_limit_grading	decimal	9 (19, 8)		No	N
Upper Limit Grading	upper_limit_grading	decimal	9 (19, 8)		No	N
Within Grading Limits	within_grading_limits	bit	1		No	Y

Sieve Analysis of Surface Treatment Aggregate – (DB-200-ST)

Test Name	Sieve Analysis of Surface Treatment Aggregate					
Table Name	VALUE_DB200ST			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Type	type	nvarchar	100	{A, B, C, D, E, L, PA, PB, PC, PD, PE, PL}	No	N
Percent Asphalt	asphalt_pct	decimal	9 (19, 8)		No	N
Percent Moisture	moisture_pct	decimal	9 (19, 8)		No	N
Original Dry Weight	orig_dry_weight	decimal	9 (19, 8)		No	N
Dry Weight After Washing	dry_weight_after_washing	decimal	9 (19, 8)		No	N
Weight Retained	weight_retained	decimal	9 (19, 8)		No	N
Sieving Loss	sieving_loss	decimal	9 (19, 8)		No	N
Washing Loss	washing_loss	decimal	9 (19, 8)		No	N
Pan Weight	pan_weight	decimal	9 (19, 8)		No	N
Weight Difference	weight_difference	decimal	9 (19, 8)		No	N

Percent Difference	percent_difference	decimal	9 (19, 8)		No	N
Total	total_weight	decimal	9 (19, 8)		No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB200ST_SIEVE			Maximum Rows	8	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Cumulative Percent Passing	cumulative_percent_passing	decimal	9 (19, 8)		No	Y
Lower Retained Limit	lower_retained_limit	decimal	9 (19, 8)		No	N
Cumulative Percent Retained	percent_retained_cumulative	decimal	9 (19, 8)		No	Y
Individual Percent Retained	percent_retained_individual	decimal	9 (19, 8)		No	N
Sieve Size	sieve_size	nvarchar	100		No	Y
Upper Retained Limit	upper_retained_limit	decimal	9 (19, 8)		No	N
Cumulative Weight Retained	weight_retained_cumulative	decimal	9 (19, 8)		No	N
Individual Weight Retained	weight_retained_individual	decimal	9 (19, 8)		No	N
Within Master Grading	within_master_grading	nvarchar	100	{Pass, Fail}	No	Y

Sand Equivalent – (DB-203-F)

Test Name	Sand Equivalent					
Table Name	VALUE_DB203F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sand Equivalent No.1 Sand Reading	sand1_reading	decimal	9 (19, 8)		No	N
Sand Equivalent No.1 Clay Reading	clay1_reading	decimal	9 (19, 8)		No	N
Sand Equivalent No.1 Calculated	sand1_calculated	decimal	9 (19, 8)		No	N
Sand Equivalent No.1 Reported	sand1_reported	decimal	9 (19, 8)		No	N
Sand Equivalent No.2 Sand Reading	sand2_reading	decimal	9 (19, 8)		No	N
Sand Equivalent No.2 Clay Reading	clay2_reading	decimal	9 (19, 8)		No	N
Sand Equivalent No.2 Calculated	sand2_calculated	decimal	9 (19, 8)		No	N
Sand Equivalent No.2 Reported	sand2_reported	decimal	9 (19, 8)		No	N
Average Sand Equivalent	average_sand_equivalent	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-203-F	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Placement Density – (DB-207-FPL)

Test Name	Placement Density					
Table Name	VALUE_DB207FPL			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
In Place Air Void	air_void	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y

Deleterious Materials & Verification for Coaese Aggregate – (DB-217-F)

Test Name	Deleterious Materials & Verification for Coaese Aggregate					
Table Name	VALUE_DB217F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Deleterious Material Sieve Size	part1_sieve_size	nvarchar	100		No	N
Deleterious Material Original Weight Retained	part1_orig_weight_retained	decimal	9 (19, 8)		No	N
Weight of Deleterious Material	part1_weight_deleterious_material	decimal	9 (19, 8)		No	N
Percent of Deleterious Material	part1_pct_deleterious_material	decimal	9 (19, 8)		No	Y
Decantation Sieve Size	part2_sieve_size	nvarchar	53		No	N
Decantation Original Weight Retained	part2_orig_weight_retained	decimal	9 (19, 8)		No	N
Dry Weight after Washing	part2_dry_weight_after_washing	decimal	9 (19, 8)		No	N
Percent Loss by Decantation	part2_loss_by_decantation	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-217-F	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Determining Flakiness Index – (DB-224-F)

Test Name	Determining Flakiness Index					
Table Name	VALUE_DB224F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Number of Particles 1	num_particles_1	decimal	9 (19, 8)		No	N
Number of Particles 2	num_particles_2	decimal	9 (19, 8)		No	N
Number of Particles 3	num_particles_3	decimal	9 (19, 8)		No	N
Number of Particles Passing 3/8" slot	slot_3_8	decimal	9 (19, 8)		No	N

Number of Particles Passing 1/4" slot	slot_1_4	decimal	9 (19, 8)		No	N
Number of Particles Passing 5/32" slot	slot_5_32	decimal	9 (19, 8)		No	N
Total Particles	total_particles	decimal	9 (19, 8)		No	N
Total Passing Particles	total_passing_particles	decimal	9 (19, 8)		No	N
Flakiness Index	flakiness_index	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-224-F	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Determining Draindown Characteristics in Bituminous Materials – (DB-235-F)

Test Name	Determining Draindown Characteristics in Bituminous Materials			Maximum Rows	1	Data
Table Name	VALUE_DB235F			Values	Required	Transfer
Field Description	Field Name	Data Type	Length			
Sample 1 Initial Sample Weight(g)	init_sample_weight_1	decimal	9 (19, 8)		No	N
Sample 1 Initial Weight Plate(g)	init_weight_plate_1	decimal	9 (19, 8)		No	N
Sample 1 Final Weight Plate(g)	final_weight_plate_1	decimal	9 (19, 8)		No	N
Sample 1 Percent of Draindown, (%)	pct_draindown_1	decimal	9 (19, 8)		No	N
Sample 2 Initial Sample Weight(g)	init_sample_weight_2	decimal	9 (19, 8)		No	N
Sample 2 Initial Weight Plate(g)	init_weight_plate_2	decimal	9 (19, 8)		No	N
Sample 2 Final Weight Plate(g)	final_weight_plate_2	decimal	9 (19, 8)		No	N
Sample 2 Percent of Draindown, (%)	pct_draindown_2	decimal	9 (19, 8)		No	N
Average Percent of Draindown for Two Samples (%)	avg_pct_draindown	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

QC/QA Asphalt Test – (DB-3146-F)

Test Name	Determining HVEEM Stability of Bituminous Mixtures			Maximum Rows	1	Data
Table Name	VALUE_DB208F			Values	Required	Transfer
Field Description	Field Name	Data Type	Length			
HVEEM Stability	HVEEM	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y

Test Name	Gradation of Extracted Aggregate					
Table Name	VALUE_DB229F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y
Table Name	VALUE_DB229F_SIEVE			Maximum Rows	9	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sieve Size	sieve_size	nvarchar	100		No	Y
Design JMF	Design_JMF	nvarchar	100		No	N
Current JMF	Current_JMF	nvarchar	100		No	N
Cumulative Percent Passing	pct	decimal	9 (19, 8)		No	Y

Test Name	Determining Density & Properties of Bituminous Mixtures					
Table Name	VALUE_DB207FPR			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Average Actual Specific Gravity	GA	nvarchar	100		No	Y
Lab Molded Density	LMD	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y

Test Name	Determination of Rice Specific Gravity					
Table Name	VALUE_DB227F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Rice Specific Gravity	rice_specific_gravity	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y

Test Name	Determination of Asphalt Content by Ignition Oven Method					
Table Name	VALUE_DB236F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Asphalt Content	AC	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	nvarchar	100		No	Y

Sieve Analysis for Fine & Coarse Aggregate – (DB-401-2)

Test Name	Sieve Analysis					
Table Name	VALUE_DB401A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sand Equivalend Exceed 85	equivalent_exceed_85	Bit	1	{1, 0}	No	Y
Stamp Code	stamp_code	int	4		No	Y
Test Method	test_method	nvarchar	100	DB-401-A	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Total Cumulative Weight Retained	total	decimal	9 (19, 8)		No	N
Table Name	VALUE_DB401A_SIEVE			Maximum Rows	8	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sieve Size	sieve_size	nvarchar	100		No	Y
Cumulative Weight Retained	cumulative_weight_retained	decimal	9 (19, 8)		No	N
Individual Weight Retained	individual_weight_retained	decimal	9 (19, 8)		No	N
Cumulative Percent Retained	cumulative_pct_retained	decimal	9 (19, 8)		No	Y
Cumulative Percent Passing	cumulative_pct_passing	decimal	9 (19, 8)		No	Y
Lower Spec Limit	lower_retained_spec_limit	decimal	9 (19, 8)		No	N
Upper Spec Limit	upper_retained_spec_limit	decimal	9 (19, 8)		No	N
Within Master Grading	within_master_grading	varchar	20	{Pass, Fail}	No	Y

Test Name	Fineness Modulus					
Table Name	VALUE_DB402A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Fineness Modulus	fineness_modulus	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-402-A	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Decantation Test For Concrete Aggregates – (DB-406-A)

Test Name	Decantation Test For Concrete Aggregates					
Table Name	VALUE_DB406A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Decantation Test By	test_by	nvarchar	100	{Part I – Lab Method, Part II – Field Method}	No	Y
Original Dry Mass of Sampled	original_dry_mass	decimal	9 (19, 8)		No	N
Dry Mass After Washing	dry_mass_after_washing	decimal	9 (19, 8)		No	N
Part I Percent Loss	percent_loss_part1	decimal	9 (19, 8)		No	Y
Mass of Pycnometer Containing Sample and Water To Fill Before Washing	mass_of_pycnometer_before_washing	decimal	9 (19, 8)		No	N
Mass of Pycnometer Containing Sample and Water To Fill After Washing	mass_of_pycnometer_after_washing	decimal	9 (19, 8)		No	N
Mass of Pycnometer Filled With Water at Approx.	mass_of_pycnometer_with_water	decimal	9 (19, 8)		No	N
Part II Percent Loss	percent_loss_part2	decimal	9 (19, 8)		No	N
Normality of HCL Used	normality_of_hcl	decimal	9 (19, 8)		No	N
Starting	starting_ml	decimal	9 (19, 8)		No	N
Ending	ending_ml	decimal	9 (19, 8)		No	N
Sample Weight	sample_weight	decimal	9 (19, 8)		No	N
Percent of Limestone	pct_limestone	decimal	9 (19, 8)		No	N
Test Method	test_method	nvarchar	100	DB-406-A	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Organic Impurities in Fine Aggregate for Concrete – (DB-408-A)

Test Name	Organic Impurities in Fine Aggregate for Concrete					
Table Name	VALUE_DB224F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Color of the Supernatant Liquid	color_of_supernatant_liquid	nvarchar	100	{LIGHTER THAN STANDARD, EQUAL TO STANDARD, DARKER THAN STANDARD}	No	Y
Test Method	test_method	nvarchar	100	DB-408-A	No	N

Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Resistance to Degradation by Abrasion & Impact in Los Angeles Machine – (DB-410-A)

Test Name	Resistance to Degradation by Abrasion & Impact in Los Angeles Machine					
Table Name	VALUE_DB410A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
LA Abrasion Type	la_abrasion_type	nvarchar	100	{A,B,C,D}	No	Y
Number of Spheres	number_of_spheres	int	4		No	N
Weight of Spheres	weight_of_charge	nvarchar	100		No	N
Total Weight	weight_total	decimal	9 (19, 8)		No	N
Sieve	sieve	nvarchar	100		No	Y
Initial Weight	initial_weight	decimal	9 (19, 8)		No	N
Final Weight	final_weight	decimal	9 (19, 8)		No	N
Loss of Weight	loss_of_weight	decimal	9 (19, 8)		No	N
Percent Loss	percent_loss	decimal	9 (19, 8)		No	Y
La Abrasion Value	la_abrasion_value	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-410-A	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB410A_SAMPLE			Maximum Rows	4	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Passing Sieve	passing_sieve	nvarchar	100		No	N
Retained Sieve	retained_sieve	nvarchar	100		No	N
Projected Weight	projected_weight	nvarchar	100		No	N
Actual Weight	actual_weight	decimal	9 (19, 8)		No	N
Within Range	within_range	Bit	1	{1,0}	No	N

Magnesium Sulfate Soundness – (DB-411-M)

Test Name	Magnesium Sulfate Soundness					
Table Name	VALUE_DB411M			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Percent Loss Total	pct_loss_total	decimal	9 (19, 8)		No	N

Normalized Individual Percent Total	ni_pct_retained_total	decimal	9 (19, 8)		No	N
Weighted Average Percent Total	weighted_avg_pct_loss_total	decimal	9 (19, 8)		No	N
Soundness Loss	soundness_loss	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-411-M	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB411M_CYCLE			Maximum Rows	5	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Cycle	cycle	nvarchar	5	{I, II, III, IV, V}	No	N
In Solution Date	in_solution_date	Smalldatetime	4	MM/DD/YYYY	No	N
In Solution Time In	in_solution_time_in	Smalldatetime	4	HH:MM AM/PM	No	N
In Solution Time Out	in_solution_time_out	Smalldatetime	4	HH:MM AM/PM	No	N
Out Solution Date	out_solution_date	Smalldatetime	4	MM/DD/YYYY	No	N
Out Solution Time In	out_solution_time_in	Smalldatetime	4	HH:MM AM/PM	No	N
Out Solution Time Out	out_solution_time_out	Smalldatetime	4	HH:MM AM/PM	No	N
In Oven Date	in_oven_date	Smalldatetime	4	MM/DD/YYYY	No	N
In Oven Time In	in_oven_time_in	Smalldatetime	4	HH:MM AM/PM	No	N
In Oven Time Out	in_oven_time_out	Smalldatetime	4	HH:MM AM/PM	No	N
Out Oven Date	out_oven_date	Smalldatetime	4	MM/DD/YYYY	No	N
Out Oven Time In	out_oven_time_in	Smalldatetime	4	HH:MM AM/PM	No	N
Out Oven Time Out	out_oven_time_out	Smalldatetime	4	HH:MM AM/PM	No	N
Remarks	remarks	nvarchar	250		No	N
Table Name	VALUE_DB411M_PARTICLE			Maximum Rows	8	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Particle Size Passing	size_range_passing	nvarchar	100		No	N
Particle Size Retained	size_range_retained	nvarchar	100		No	N
Initial Weight (g)	initial_weight	decimal	9 (19, 8)		No	N
Final Weight (g)	final_weight	decimal	9 (19, 8)		No	N
Loss of Weight (g)	loss_of_weight	decimal	9 (19, 8)		No	N
Percent Loss	pct_loss	decimal	9 (19, 8)		No	N
Normalized Individual Percent Retained	ni_pct_retained	decimal	9 (19, 8)		No	N
Weighted Average Percent Loss	weighted_avg_pct_loss	decimal	9 (19, 8)		No	N

Deleterious Materials – (DB-413-A)

Test Name	Deleterious Materials			
Table Name	VALUE_DB413A	Maximum Rows	1	Data

Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sieve Size	sieve_size	nvarchar	100		No	Y
Total Weight of Sample	total_weight_sample	decimal	9 (19, 8)		No	N
Weight of Deleterious Material (g) Clay	clay_value1	decimal	9 (19, 8)		No	N
Weight of Deleterious Material (g) Shale	shale_value1	decimal	9 (19, 8)		No	N
Weight of Deleterious Material (g) Friable	friable_value1	decimal	9 (19, 8)		No	N
Weight of Deleterious Material (g) Laminated	laminated_value1	decimal	9 (19, 8)		No	N
Weight of Deleterious Material (g) Other	other_value1	decimal	9 (19, 8)		No	N
Percent of Deleterious Material Clay	clay_value2	decimal	9 (19, 8)		No	Y
Percent of Deleterious Material Shale	shale_value2	decimal	9 (19, 8)		No	Y
Percent of Deleterious Material Friable	friable_value2	decimal	9 (19, 8)		No	Y
Percent of Deleterious Material Laminated	laminated_value2	decimal	9 (19, 8)		No	Y
Percent of Deleterious Material Other	other_value2	decimal	9 (19, 8)		No	Y
Weight of Deleterious Material (g) Total	total	decimal	9 (19, 8)		No	N
Percent Deleterious Material Retained on the +No.4 Sieve	percent_deleterious_material_retained	decimal	9 (19, 8)		No	Y
Test Method	test_method	nvarchar	100	DB-413-M	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Field Form Concrete Sample – Cylinders – (DB-418-A)

Test Name	Field Form Concrete Sample – Cylinders			Maximum Rows	1	Data
Table Name	VALUE_DB418A			Values	Required	Transfer
Field Description	Field Name	Data Type	Length			
Truck Number	truck_number	nvarchar	100		No	N
Batch Size	batch_size	nvarchar	100		No	N
Sample Time	sample_time	nvarchar	100	HH:MM AM/PM	No	Y
Aggregate. Size	agg_size	nvarchar	100		No	N
Design Water	design_water	nvarchar	100		No	N
Actual Water	actual_water	nvarchar	100		No	N
Batch Time	batch_time	nvarchar	100	HH:MM AM/PM	No	Y
Water Added	water_added	nvarchar	100		No	Y
Total Water	total_water	nvarchar	100		No	Y

Ticket Number	ticket_number	nvarchar	100		No	Y
Pump Slump Loss	pump_slump_loss	decimal	9 (19, 8)		No	N
Placement Slump	placement_slump	decimal	9 (19, 8)	see validator	No	N
Pump Air Loss	pump_air_loss	decimal	9 (19, 8)		No	N
Placement Air	placement_air	decimal	9 (19, 8)		No	N
Concrete Temperature	concrete_temperature	nvarchar	100		No	Y
Slump	slump	decimal	9 (19, 8)	{slump value}	No	Y
Aggregate. Correction Factor	agg_correction_factor	nvarchar	100		No	N
Air Temperature	air_temperature	nvarchar	100		No	Y
Unit Wt	unit_weight	nvarchar	100		No	N
Corrected Air Content	corrected_air_content	decimal	9 (19, 8)		No	N
Class of Concrete	class_of_concrete	nvarchar	100	{A, B, C, D, E, F, H, S, P, DC, CO, SS, K}	No	Y
Req. Strength	req_strength	nvarchar	100		No	Y
Specimen Size	specimen_size	nvarchar	100	see validator	No	Y
Mix ID	mix_id	nvarchar	100		No	Y
Test Method	test_method	nvarchar	100	DB-418-A	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB418A_AVERAGE			Maximum Rows	3	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Average Age	average_age	nvarchar	100	{7, 28}	No	Y
Average Strength	average_strength	decimal	9 (19, 8)		No	Y
Average Required Strength	required_strength	decimal	9 (19, 8)		No	N
Average Pass/Fail	pass_fail	nvarchar	5	{Pass, Fail}	No	N
Table Name	VALUE_DB418A_SPECIMEN			Maximum Rows	7	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Specimen	specimen	nvarchar	100	{A,B,C,D,E,F}	No	Y
Test Date	test_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Age(Days)	age	nvarchar	100		No	Y
Area	area	decimal	9 (19, 8)		No	Y
Area Load(lbs)	load_lbs	decimal	9 (19, 8)		No	Y
Strength(psi)	strength	decimal	9 (19, 8)		No	Y
Type Fracture	type_fracture	varchar	50	{A, B, C, D, E}	No	Y
Pass/Fail	pass_fail	nvarchar	5	{Pass, Fail}	No	N
Tested By	tested_by	nvarchar	100	{full_name}	No	Y

Determining Pavement Thickness by Direct Measurement – (DB-423-A)

Test Name	Determining Pavement Thickness by Direct Measurement					
Table Name	VALUE_DB423A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Measure Unit	measure_unit	nvarchar	100	{Inches, Millimeters}	No	N
Pavement Depth	pavement_depth	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB423A_LOCATION			Maximum Rows	2	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Measurement Identification / Location	measurement_id_location	nvarchar	100		No	N
Measurement 1	measurement_1	decimal	9 (19, 8)		No	N
Measurement 2	measurement_2	decimal	9 (19, 8)		No	N
Measurement 3	measurement_3	decimal	9 (19, 8)		No	N
Average	average	decimal	9 (19, 8)		No	Y

Testing of Drilled Cores of Portland Cement Concrete – (DB-424-A)

Test Name	Testing of Drilled Cores of Portland Cement Concrete					
Table Name	VALUE_DB424A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB424A_CORE			Maximum Rows	4	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Core Number 1	core_number1	nvarchar	100		No	Y
Core Number 2	core_number2	nvarchar	100		No	Y
Core Diameter 1	core_diameter1	decimal	9 (19, 8)		No	Y
Core Diameter 2	core_diameter2	decimal	9 (19, 8)		No	Y
Core Length 1	core_length1	decimal	9 (19, 8)		No	Y
Core Length 2	core_length2	decimal	9 (19, 8)		No	Y
Maximum Load 1	max_load1	decimal	9 (19, 8)		No	Y
Maximum Load 2	max_load2	decimal	9 (19, 8)		No	Y
FailureType 1	failure_type1	nvarchar	100		No	Y
Failure Type 2	failure_type2	nvarchar	100		No	Y

Compressive Strength 1	compressive_strength1	decimal	9 (19, 8)		No	Y
Compressive Strength 2	compressive_strength2	decimal	9 (19, 8)		No	Y
Age	age	int	4		No	Y
Average Compressive Strength	avg_compressive_strength	decimal	9 (19, 8)		No	Y

Texture Depth by Sand Patch Method – (DB-436-A)

Test Name	Texture Depth by Sand Patch Method					
Table Name	VALUE_DB224F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Measurement Number 1 Diameter	measurement_1	decimal	9 (19, 8)		No	N
Measurement Number 2 Diameter	measurement_2	decimal	9 (19, 8)		No	N
Measurement Number 3 Diameter	measurement_3	decimal	9 (19, 8)		No	N
Measurement Number 4 Diameter	measurement_4	decimal	9 (19, 8)		No	N
Volume of Cylinder	vol_cylinder	decimal	9 (19, 8)		No	N
Average Diameter	avg_diameter	decimal	9 (19, 8)		No	N
Thickness	thickness	decimal	9 (19, 8)		No	Y
Tested By	tested_by	varchar	200		No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Concrete Sample – Beams – (DB-448-A)

Test Name	Concrete Sample - Beams					
Table Name	VALUE_DB448A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Truck Number	truck_num	decimal	9 (19, 8)		No	N
Qty Load	qty_load	decimal	9 (19, 8)		No	N
Sample Time	sample_time	Smalldatetime	4	HH:MM AM/PM	No	Y
Agg. Size	agg_size	nvarchar	100	see validator	No	N
Destination Water	des_water	decimal	9 (19, 8)		No	N
Actual Water	act_water	decimal	9 (19, 8)		No	N
Added Gal	added_gal	decimal	9 (19, 8)		No	Y
Total Water	total_water	decimal	9 (19, 8)		No	Y
Batch Time	batch_time	Smalldatetime	4	HH:MM AM/PM	No	Y
Ticket Number	ticket_num	decimal	9 (19, 8)		No	Y
Concrete Temperature	concrete_temp	decimal	9 (19, 8)		No	Y

Air Temperature	air_temp	decimal	9 (19, 8)		No	Y
Slump	slump	decimal	9 (19, 8)	{slump value}	No	Y
Unit Wt	unit_weight	decimal	9 (19, 8)		No	N
Aggregate Correction Factor	agg_corr_factor	decimal	9 (19, 8)		No	N
Corrected Air Content	corrected_air_content	decimal	9 (19, 8)		No	N
Class of Concrete	class_concrete	nvarchar	100		No	Y
Specimen Dimensions	spec_dimensions	nvarchar	100	see validator	No	Y
Required Strength	req_strength	decimal	9 (19, 8)		No	Y
Mix ID	mix_id	nvarchar	100		No	Y
Test Method	test_method	nvarchar	100	DB-448-A	No	N
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y
Table Name	VALUE_DB448A_SPECIMEN			Maximum Rows	6	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Specimen	specimen	nvarchar	100	{A,B,C,D,E,F}	No	Y
Test Date	test_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Age	age	nvarchar	100		No	Y
Average Width	avg_width	decimal	9 (19, 8)		No	Y
Average Depth	avg_depth	decimal	9 (19, 8)		No	Y
Maximum Load, lbs.	max_load_psi	decimal	9 (19, 8)		No	Y
Correction Factor	corr_factor	decimal	9 (19, 8)		No	Y
Mod. Of Rupture	mod_rupture	decimal	9 (19, 8)		No	Y
Pass/Fail	pass_fail	nvarchar	100	{Pass, Fail}	No	N
Tested By	tested_by	nvarchar	100		No	Y

Coarse Aggregate Angularity by Fractured Faces Count – (DB-460-A)

Test Name	Coarse Aggregate Angularity by Fractured Faces Count					
Table Name	VALUE_DB460A			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Sieve Size	sieve_size	nvarchar	100		No	Y
Number of Particle w/ 2 or more FF	number_of_particles_with_two	int	4		No	Y
Number of Particles w/ one or no FF	number_of_particles_with_one	int	4		No	Y
Number of Questionable Particles	number_of_questionable_particles	int	4		No	Y
Total Number of Particles	total_number_of_particles	int	4		No	Y
Percent Crushed Particles	percent_crushed_particles	decimal	9 (19, 8)		No	Y
Total Percent Crushed Particles	percent_crushed_particles_result	decimal	9 (19, 8)		No	Y

Test Method	test_method	nvarchar	100	DB-460-A	No	N
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	Smalldatetime	4	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Effect of Water on Bituminous Paving Mixtures (boiling & stripping) – (DB-530-C)

Test Name	Effect of Water on Bituminous Paving Mixtures (boiling & stripping)					
Table Name	VALUE_DB224F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Estimated Percent of Stripping	est_pct_stripping	nvarchar	100		No	Y
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	datetime	8	MM/DD/YYYY	No	Y
Stamp Code	stamp_code	int	4		No	Y

Determining Chloride and Sulfate Content in Soils – (DB-620-J)

Test Name	Determining Chloride and Sulfate Content in Soils					
Table Name	VALUE_DB620F			Maximum Rows	1	Data
Field Description	Field Name	Data Type	Length	Values	Required	Transfer
Chloride (Cl) (PPM)	chloride_ppm	decimal	9 (19, 8)		No	Y
Sulfate Crucible + Residue Weight	crucible_residue_weight	decimal	9 (19, 8)		No	N
Sulfate Crucible Weight	crucible_weight	decimal	9 (19, 8)		No	N
Chloride Ending	ending	decimal	9 (19, 8)		No	N
Normality of AgNO3	normality_of_agno3	decimal	9 (19, 8)		No	N
Sulfate Residue Weight	residue_weight	decimal	9 (19, 8)		No	N
Chloride Sample Weight	sample_weight_chloride	decimal	9 (19, 8)		No	N
Sulfate Sample Weight	sample_weight_sulfate	decimal	9 (19, 8)		No	N
Stamp Code	stamp_code	int	4		No	Y
Chloride Starting	starting	decimal	9 (19, 8)		No	N
Sulfate (SO4) (PPM)	sulfate_ppm	decimal	9 (19, 8)		No	Y
Tested By	tested_by	nvarchar	100		No	Y
Tested Date	tested_date	nvarchar	100	MM/DD/YYYY	No	Y
Chloride Total	total	decimal	9 (19, 8)		No	N