

# **SOIL/BASE MIXTURE DENSITY USER GUIDE**

- Switch Role
- Brent Slade
- ADMIN
- ✓ **CONSTRINSP\_KS**
- CONTRACTS\_KS
- CONTRACTS\_KS\_NONC
- EXTERNALBIDDER
- EXTERNALPRIMEPAYROLL
- EXTERNALSUBPAYMENT
- EXTERNALSUBPAYROLL
- KDOT\_CONTRACTS
- KDOT\_LABORUSER
- MATERIALUSER\_KS
- MATERIALUSER\_KS\_SUPERVISOR
- OCC
- PROJMAN\_KS\_AREA
- PROJMAN\_KS\_BUREAU
- PROJMAN\_KS\_CO
- PROJMAN\_KS\_DISTRICT
- PROJMAN\_KS\_FHWA

Inspector Links Daily Work Report Overview External Links Special Provision Overview

Inspector (CONSTRINSP)

Verify role.

Save ?

ced

0 marked for deletion | 0 changed

- Inspector Links ?
- Contract Permits
- Contract Progress
- Contract Vendor Assets
- Daily Work Report
- Sample Records

Save ?

Status

No Filter

0 marked for deletion | 0 changed

External Links ?

- AASHTOWare Project Website
- KDOT Website
- Kdotweb
- KDOT Test Reports Portal
- Payroll XML
- Highway Contractors

Up-to-date information about the AASHTOWare Project and other AASHTOWare products, events, newsletters, and more

Internet

KDOT's Intranet Site

KDOT Test Reports Portal for Crystal Reports

Resources for Using XML with AASHTOWare Project™ Payroll XML Resource Kit

Information for Highway Contractors

Special Provision Overview ?

Q Type search criteria or press Enter

Sorted Specs

Showing 50 of 6943

0 changed

ID	Descr	Type	Obsolete Da...
90M-2350	MODIFIED REQUIREMENTS-BITUMI	REPL - SUPERCEDED SPECIAL PROVI	08/07/2009

On this page: Rejected Daily Work Report Overview Inspector Links Daily Work Report Overview External Links Special Provision Overview

### PROJECT KDOT role for Construction Inspector User (Copied from CONSTRINSP)

#### Rejected Daily Work Report Overview Save ?

Type search criteria or press Enter Advanced

0 marked for deletion | 0 changed

No rows found matching criteria.

#### Inspector Links ?

- Contract Permits
- Contract Progress
- Contract Vendor Assets
- Daily Work Report
- Sample Records ← Click "Sample Records".

#### Daily Work Report Overview Save ?

Type search criteria or press Enter Advanced

Status  
No Filter

0 marked for deletion | 0 changed

Enter search criteria above to see results of Show first 10

#### External Links ?

- AASHTOWare Project Website
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#### Special Provision Overview ?

Type search criteria or press Enter Sorted Specs Showing 50 of 6943

0 changed

ID	Descr	Type	Obsolete Da...
90M-2350	MODIFIED REQUIREMENTS-BITUMI	REPL - SUPERCEDED SPECIAL PROVI	08/07/2009

### Sample Record Overview

▼ Sample Record Overview 1. Click the component action button.

Q Type search criteria or press Enter System Default ▼

2. Click "Add".

Actions x  
Add

0 marked for deletion | 0 changed

Enter search criteria above to see results Or Show first 10

Overview

### Add Sample Record

▼ Add Sample Record Save ?

- General
- Sample Location
- Additional Information
- Sources/Facilities

8. Click "Sample Location".

Sample ID\*

1. Enter the material being tested.

Material Code - Name

7. Click "Save".

2. Enter the date the material was sampled.

Sample Date

3. Select the appropriate Sample Type from the drop down.

Sample Type

4. Select the appropriate Acceptance Method from the drop down.

Acceptance Method

Lab Reference Number

Lot/Heat Number

Lot/Heat Type

Specimen Number

Sample Size

Sample Size Units

Represented Quantity

5. Enter the quantity represented by the test.

Represented Quantity Units

6. Enter the unit of measure for the quantity being tested.

▼ Remarks

Type*	Remark*
<input type="text"/>	<input type="text"/>

### Sample Record Summary

Sample Record slade20220621102552 - Successfully Saved

Sample Record: slade20220621102552 **2. Click "Save".** Save ?

General

Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

Sample Location

Sampled From

Reference

**1. Enter where the material was sampled from.**

Additional Information

Sources

Associations

Sample Origin

Station

**3. Click "Additional Information".**

Station Plus

Tests

Geographic Area

Offset Distance

Latitude

Offset Direction

Longitude

Elevation

Distance From Grade

Comments

Distance From Grade Units

Sampled Ledge Name

Location

Start Coordinate X

End Coordinate X

### Sample Record Summary

Save Complete

Sample Record: slade20220621102552 2. Click "Save". Save

General Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract

3. Click "Sources".

<b>Sampler ID - Name</b>	<input type="text" value="Begin typing to search or press Enter"/>	<b>Created By</b>	
<b>Witnessed By ID - Name</b>	<input type="text" value="Begin typing to search or press Enter"/>	<b>Created Date</b>	06/21/2022 10:25:53 AM
<b>Requested By</b>	<input type="text"/>	<b>Last Updated By</b>	KDOTAD\slade
<b>Intended Use</b>	<input type="text"/>	<b>Last Updated Date</b>	06/21/2022 10:27:04 AM
<b>Mix Design Type</b>	<input type="text"/>	<b>DWR Inspector</b>	
<b>Mix Design ID</b>	<input type="text" value="Begin typing to search or press Enter"/>	<b>DSR Inspector</b>	
<b>Buy America</b>	<input type="checkbox"/>	<b>Limited Sample Access Last Modified By</b>	
<b>CIT Witnessed</b>	<input type="text"/>	<b>Limited Sample Access Last Modified Date</b>	
		<b>Administrative Office Modified By</b>	
		<b>Administrative Office Modified Date</b>	

1. Enter who sampled the material.

### Sample Record Summary

Save Complete

Sample Record: slade20220621102552 Save ?

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

#### Primary Source/Facility

Select Primary Source... Select Primary Facility...

1. Click "Select Primary Source".

Source ID - Source Name	Facility ID - Facility Name
Source City	Facility City
Source Type	Facility Type
Source Location Description	Facility Location Description

SMFMI Name  
Begin typing to search or press Enter

#### Additional Sources

Type search criteria or press Enter Advanced

Select Sources... 0 marked for deletion | 0 changed

No rows found matching criteria.

#### Additional Facilities

Type search criteria or press Enter Advanced



Home | Overview | Sample | General | Sample Location | Additional Information | Sources | Associations | Contract | Tests

### Select Primary Source

Q Type search criteria or press Enter [Advanced](#)  
Enter search criteria above to see results or [Show first 10](#) 0 selected

**Either search for the material source or click "Show first 10".**

Add to Sample Record

Source ID - Source Name	Facility ID - Facility Name
-	-
Source City	Facility City
Source Type	Facility Type
Source Location Description	Facility Location Description

SMFMI Name  
Q Begin typing to search or press Enter

Additional Sources

Q Type search criteria or press Enter [Advanced](#)

Select Sources... 0 marked for deletion | 0 changed

No rows found matching criteria.

Additional Facilities

Q Type search criteria or press Enter [Advanced](#)

### Select Primary Source

Type search criteria or press Enter

Advanced

Showing 10 of 204

1. Select the material source.

1 selected

Source ID - Name	Source Type	Source City	Location Description
✓ 00801825 - BAYER CONSTRUCTION (RILEY CO)	QL - LIMESTONE QUARRY	MANHATTAN (HOME OFF)	NE 1/4 S10T09SR06E
00801834 - BAYER CONSTRUCTION (MCLAUGHLIN QUARRY)(GEARY)	QL - LIMESTONE QUARRY	JUNCTION CITY	N 1/2 S01T13SR04E
00802449 - BAYER CONSTRUCTION (HAYDEN QUARRY)(RILEY CO)	QL - LIMESTONE QUARRY	MANHATTAN	SW 1/4 S03T11SR09E
00802325 - BAYER CONSTRUCTION(KANSAS FALLS BECK QU)(GEARY C	QL - LIMESTONE QUARRY	JUNCTION CITY	SE 1/4 S05T13SR05E
00802314 - BAYER CONSTRUCTION (MILFORD QUARRY)(GEARY COUNT	QL - LIMESTONE QUARRY	MILFORD	NE 1/4 S29T10SR05E
00801832 - BAYER CONSTRUCTION (MARTIN QUARRY) (CLAY CO)	QL - LIMESTONE QUARRY	MANHATTAN	NE 1/4 S05T09SR04E
00801827 - BAYER CONSTRUCTION (STEVENS QUARRY)(RILEY COUNTY	QL - LIMESTONE QUARRY	MANHATTAN	NW 1/4 S11T09SR06E
00811614 - ALLIED INC (LUKEN LOC) (SHERMAN CO)	QSSG - SAND OR SAND/GRAVEL QUARRY	HAYS (HOME OFFICE)	S17T07SR39W
00800929 - HAMM QUARRIES (OSAGE CITY QUARRY)(OSAGE CO)	QL - LIMESTONE QUARRY	OSAGE CITY	SW 1/4 S09T17SR15E
00800971 - HAMM QUARRIES (US STONE) (CHASE CO)	QL - LIMESTONE QUARRY	PERRY	S36T19SR08E

Load next 50

Showing 10 of 204

2. Click "Add to Sample Record".

Add to Sample Record

Select Sources...

0 marked for deletion | 0 changed

No rows found matching criteria.

Additional Facilities

Type search criteria or press Enter

Advanced

### Sample Record Summary

There are unsaved changes. X

Sample Record: slade20220621102552 Save ?

General

Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

Sample Location

Primary Source/Facility

Additional Information

Select Primary Source... Select Primary Facility...

Sources

Source ID - Source Name	Facility ID - Facility Name
00801825 - BAYER CONSTRUCTION (RILEY CO)	
Source City	Facility City
MANHATTAN (HOME OFF)	
Source Type	Facility Type
QL - LIMESTONE QUARRY	
Source Location Description	Facility Location Description
NE 1/4 S10T09SR06E	

Associations

Contact

Tests

SMFMI Name

Begin typing to search or press Enter

Additional Sources

Type search criteria or press Enter Advanced

Select Sources...

0 marked for deletion | 0 changed

No rows found matching criteria.

Additional Facilities

Type search criteria or press Enter Advanced

2. Click "Associations".

1. Click "Save".

### Sample Record Summary

Save Complete x

Sample Record: slade20220621102552 Save ?

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

Q Type search criteria or press Enter Advanced

New ← Click "New".

0 added | 0 marked for deletion | 0 changed

No rows found matching criteria.

### Sample Record Summary

Save Complete

Sample Record: slade20220621102552 **3. Click "Save".** Save

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract**
- Tests

Sample Record: Test(s) may not be assigned to Sample Records without a Destination Lab association on the Associations tab.

Type search criteria or press Enter Advanced

New

1 added 0 marked for deletion 0 changed

Association Type\* Association Value\*  
Begin typing to search or press Enter

**1. Select "Destination Lab" from the drop down.**

**2. Enter your lab.**

**4. Click "Contract".**

### Sample Record Summary

Save Complete X

Sample Record: slade20220621102552 Save ?

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Type search criteria or press Enter Advanced

Select Contract Project Items...

No rows found matching criteria.

0 marked for deletion | 0 changed

Click "Select Contract Project Items".

Home

Select Contract Project Item Line Numbers

Overview

Sample

General

Sample Location

Additional Information

Sources

Associations

Contract

Tests

Q Type search criteria or press Enter

Select: All None

Enter search criteria above to see results or Show first 10

Advanced

0 selected

Save

No rows found matching criteria.

Log off

?

?

0 changed

Either enter search for the contract or click "Show first 10".

Home

Select Contract Project Item Line Numbers

599550099

Advanced Showing

Select: All None 1 selected

Contract	Project	Project Item Line Nbr	Material Set
599550099 - 1.5 HMA OVERLAY	KA 4644-99	13 - GRANULAR BASE (12")	025185 90 Set A
✓ 599550099 - 1.5 HMA OVERLAY	KA 4644-99	13 - GRANULAR BASE (12")	GRANULAR BASE

2. Click "Save".

Save

**NOTE:** If the material code on the test doesn't exist on the contract then you will need to have someone with PROJMAN\_KS\_AREA access add it in the Contract Material and Acceptance Actions area.



### Sample Record Summary

Save successful

Sample Record: slade20220621102552

2. Click "Save".

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract

Tests

3. Click "Tests".

Type search criteria or press Enter

Select Contract Project Items...

0 marked for deletion | 0 changed

Contract		Contract Project Item Material Sets	
599550099	1		
Project	Item	Material Set Name	
KA 4644-99	025185 - GRANULAR BASE (12")	GRANULAR BASE	
Fed St Proj Num	Proj Ln Num	Work Location	Remarks
NHPP-A64(301) / U050-040 KA 2644-99	13		0
Work Location	Material Unit		
Begin typing to search or press Enter	TON		
Represented Quantity	Satisfied Represented Quantity		
	0.00000		
Remarks			
Type *	Remark *		

1. Enter the represented quantity from the tested quantity going to the line item.

### Sample Record Summary

Save Complete X

Sample Record: slade20220621102552 Save ?

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Material: AGGGSB\_GB - Aggregate for Granular Base  
Sample Type: ACC - Acceptance

Q Type search criteria or press Enter Advanced

Assign Tests

- Actions
- Assign Default Tests

1. Click the action button next to "Assign Tests".

2. Click "Assign Default Tests".

### Sample Record Summary

Save Complete

Sample Record: slade20220621102552 3. Click "Save". Save

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Material: AGGGSB\_GB - Aggregate for Granular Base  
Sample Type: ACC - Acceptance

Q Type search criteria or press Enter Advanced Showing 2 of 2

Assign Tests

0 marked for deletion 0 changed

Test Number	Test Method	Destination Lab	Lab Unit	MAA	Required	Default	Test Status	Actions
1.0	Field Gradation Test	D1A1 Field	D1A1 Field Lab	<input checked="" type="checkbox"/>	No	Yes	10 - T	
1.0	Base/Subgrad Density	D1A1 Field	D1A1 Field Lab	<input checked="" type="checkbox"/>			10 - T	

1. Click the row action button for any test that is not needed.

2. Click "Delete".

### Sample Record Summary

Save Complete

Sample Record: slade20220621102552 Save

- General
- Sample Location
- Additional Information
- Sources
- Associations
- Contract
- Tests

Material: AGGGSB\_GB - Aggregate for Granular Base  
Sample Type: ACC - Acceptance

Type search criteria or press Enter Advanced Showing 1 of 1

Assign Tests

0 marked for deletion 0 changed

Test Number	Test Method	Destination Lab	Lab Unit	MAA	Required	Default	Test Status
1.0	Base/Subgrad Density	D1A1 Field	D1A1 Field Lab	<input checked="" type="checkbox"/>	No	Yes	10 - T

1. Click the row action for the test being performed.

- Actions
- Delete
- Exclude from Search Results
- Open
- Tasks
- Add Test Run
- Views
- Attachments
- Links
- Soil Base Mixture Density v2
- Tracked Issues

2. Click "Soil Base Mixture Density v2".

Sample Record Test

Agency View Summary

Soil Base Mixture Density

2. Click "Save".

Save

Sample ID  
slade20220621102552

Inspector ID

Inspector Name

Source Name  
00801825

Source Description  
BAYER CONSTRUCTION (RILEY CO)

Mix Design

Contract  
599550099

Line Number  
13

Item Code Description  
GRANULAR BASE (12")

Sample Type  
ACC

Lab Unit  
D1A1 Field Lab

Lab Unit Description  
AGGGSB\_GB

Material Code Description  
Aggregate for Granular Base

Quantity (Tons)  
50

Project  
U030-040 KA 2644-99

Item Code  
025183

1. Enter the appropriate test results.

0 changed  
0 changed

Date	Sta	Dist	Elev	Comp Curve	Std Density	Opt Moisture	Method	Density	%Moist	% Std
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Type Comp  Moist Range  PL  LL  PI

Test Results  Remarks:

KT-11: Moisture Test, Oven-Dry

Mass of Container, g

Mass of Cont. & Moist Sample, g

Mass of Cont. & OD Sample, g

Moisture Content, %

Sample Record Test ← Click "Sample Record Test".

Agency View Summary

Save Complete X

Soil Base Mixture Density Save ?

<b>Sample ID</b> slade20220621102552	<b>Sample Type</b> ACC
<b>Inspector ID</b>	<b>Lab Unit</b> D1A1 Field Lab <span style="border: 1px solid black; padding: 2px;">Lab Unit</span>
<b>Inspector Name</b>	<b>Lab Unit Description</b> D1A1 Field Lab Unit (Horton)
<b>Source Name</b> 00801825	<b>Material Code</b> AGGGSB_GB
<b>Source Description</b> BAYER CONSTRUCTION (RILEY CO)	<b>Material Code Description</b> Aggregate for Granular Base
<b>Mix Design</b>	<b>Quantity (Tons)</b> 50
<b>Contract</b> 599550099	<b>Project</b> U050-040 KA 2644-99
<b>Line Number</b> 13	<b>Item Code</b> 025185
<b>Item Code Description</b> GRANULAR BASE (12")	

0 changed

Date	Sta	Dist	Elev	Comp Curve	Std Density	Opt Moisture	Method	Density	%Moist	% Std
06/20/2022	100+00			90	1050.0	65.0	N-Nuke Meter	1040.0	62.0	99

Enter Test Results Maintain Test Queue Review Samples Review Tests Sample Record

### Sample Record Test Summary

Sample Record ID: slade20220621102552 **2. Click "Save".** Save

Test Number: 1.0 Test Method - Description: Base/Subgrad Density - Base, Subbase, and Subgrade Density

- General
- Testers
- Reference Specifications
- Retests

#### Test Information

<b>Test Status</b>	Remarks
10 - Test in Queue	0
<b>Priority</b>	<b>Planned Test Start Date</b>
	<input type="text"/>
<b>Default Test</b>	<b>Test Start Date</b>
Yes	06/21/2022
<b>Required Test</b>	<b>Estimated Completion Date</b>
No	<input type="text"/>
<b>Due Date</b>	<b>Actual Completion Date</b>
<input type="text"/>	

#### Sample Information

<b>Sample Type</b>	<b>Contract ID</b>
ACC - Acceptance	599550099
<b>Lab Unit</b>	<b>Source</b>
	00801825 - BAYER CONSTRUCTION (RILEY CO)
<b>Lab Reference Number</b>	<b>Sample Date</b>
<b>Test Result Value</b>	<b>Sample Record Remarks</b>
<input type="text"/>	0

1. Select the appropriate test result from the drop down.