SiteManager Instructions for *Portland* Cement Concrete *Plant* & *Field* Inspection

Entering Portland Cement Concrete Proportioning Data into SiteManager

Field Personnel Instructions

SiteManager Panel

Main Panel | Materials Management(+)


Contract Administration(+)

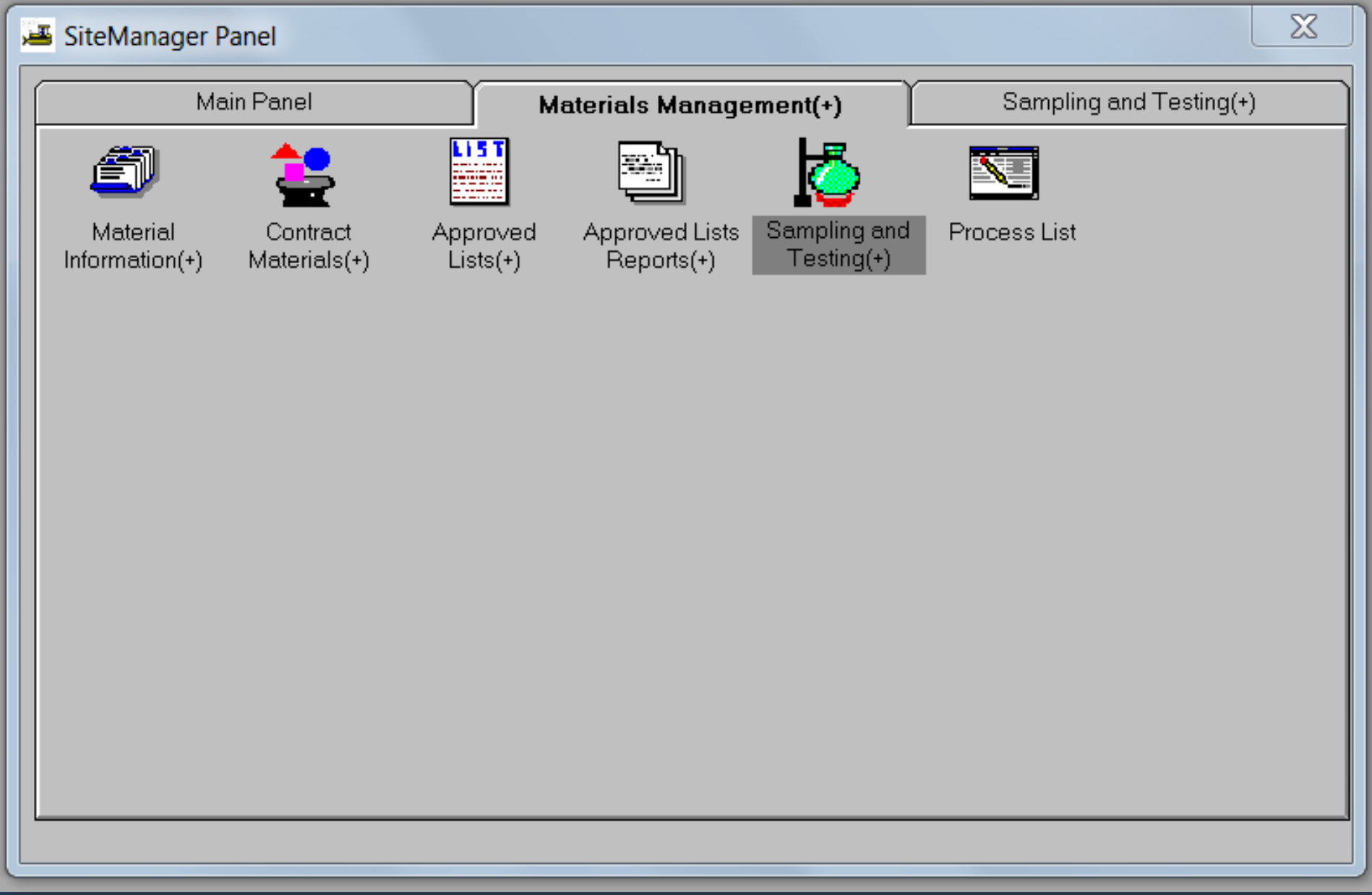

Daily Work Reports(+)


Change Orders(+)


Materials Management(+)


Accessories(+)


Manuals(+)


SiteManager Panel
Main Panel
Materials Management(+)
Sampling and Testing(+)
Material Information(+)
Contract Materials(+)
Approved Lists(+)
Approved Lists Reports(+)
Sampling and Testing(+)
Process List

SiteManager Panel

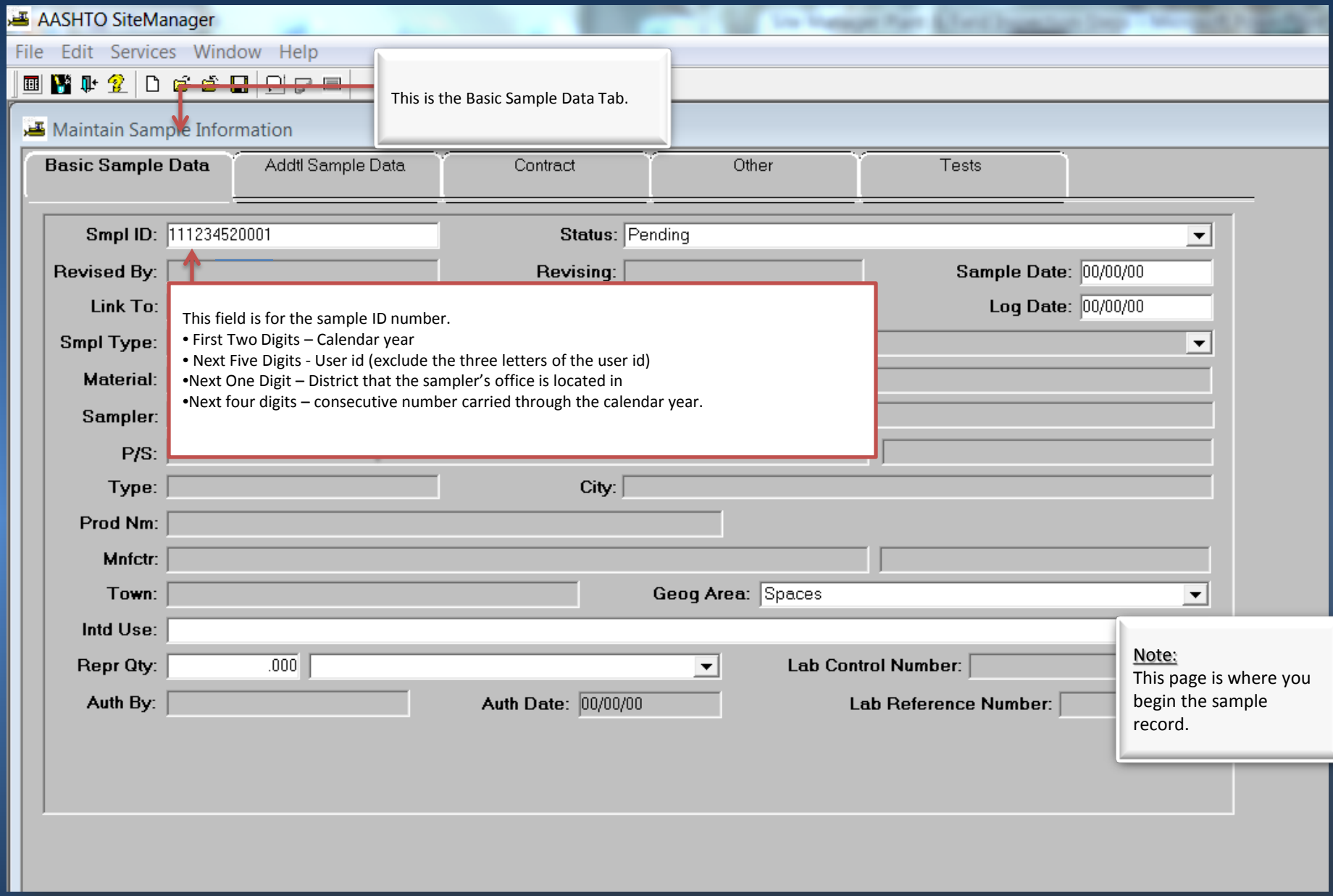
Main Panel | Materials Management(+) | **Sampling and Testing(+)**

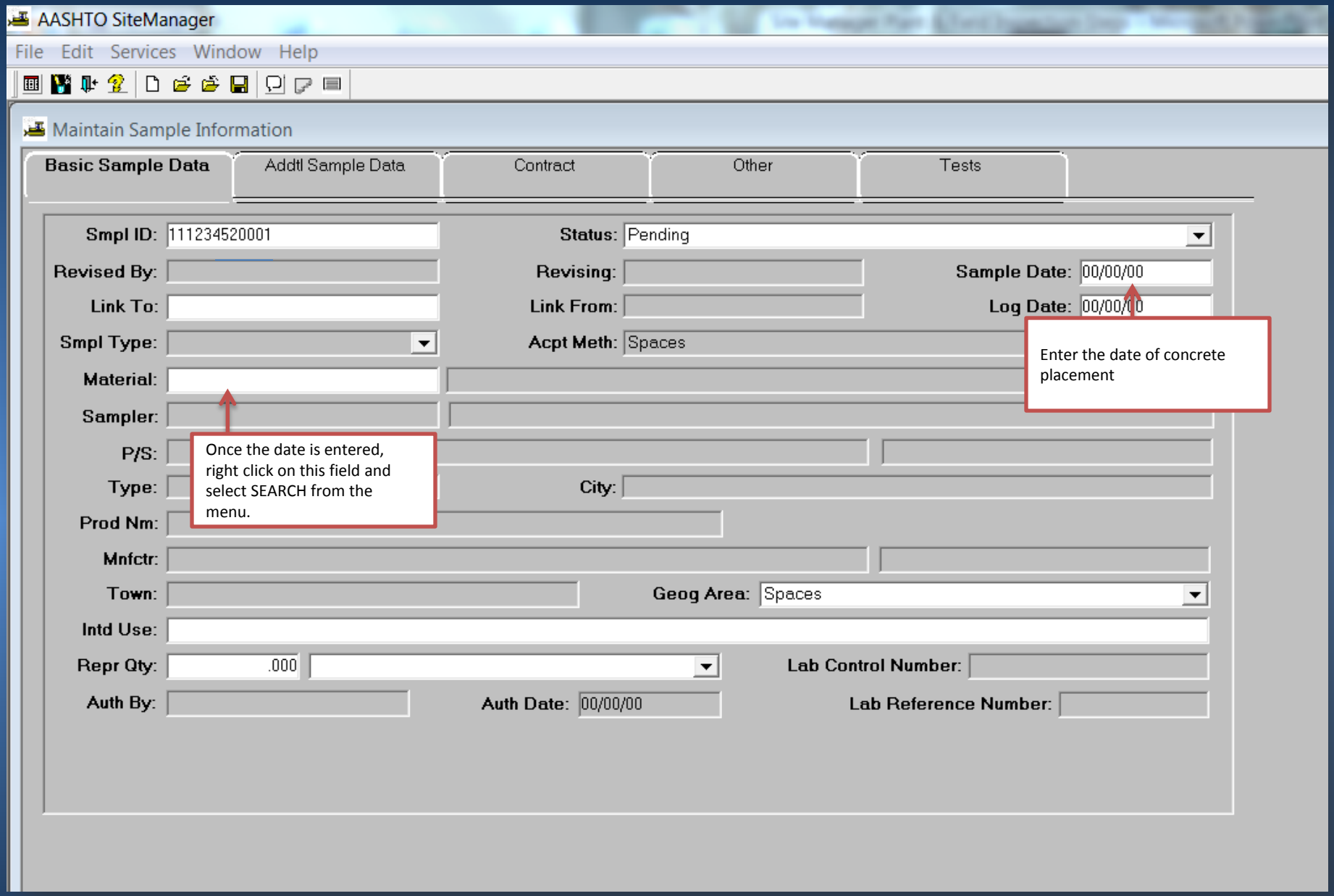
Sample Information

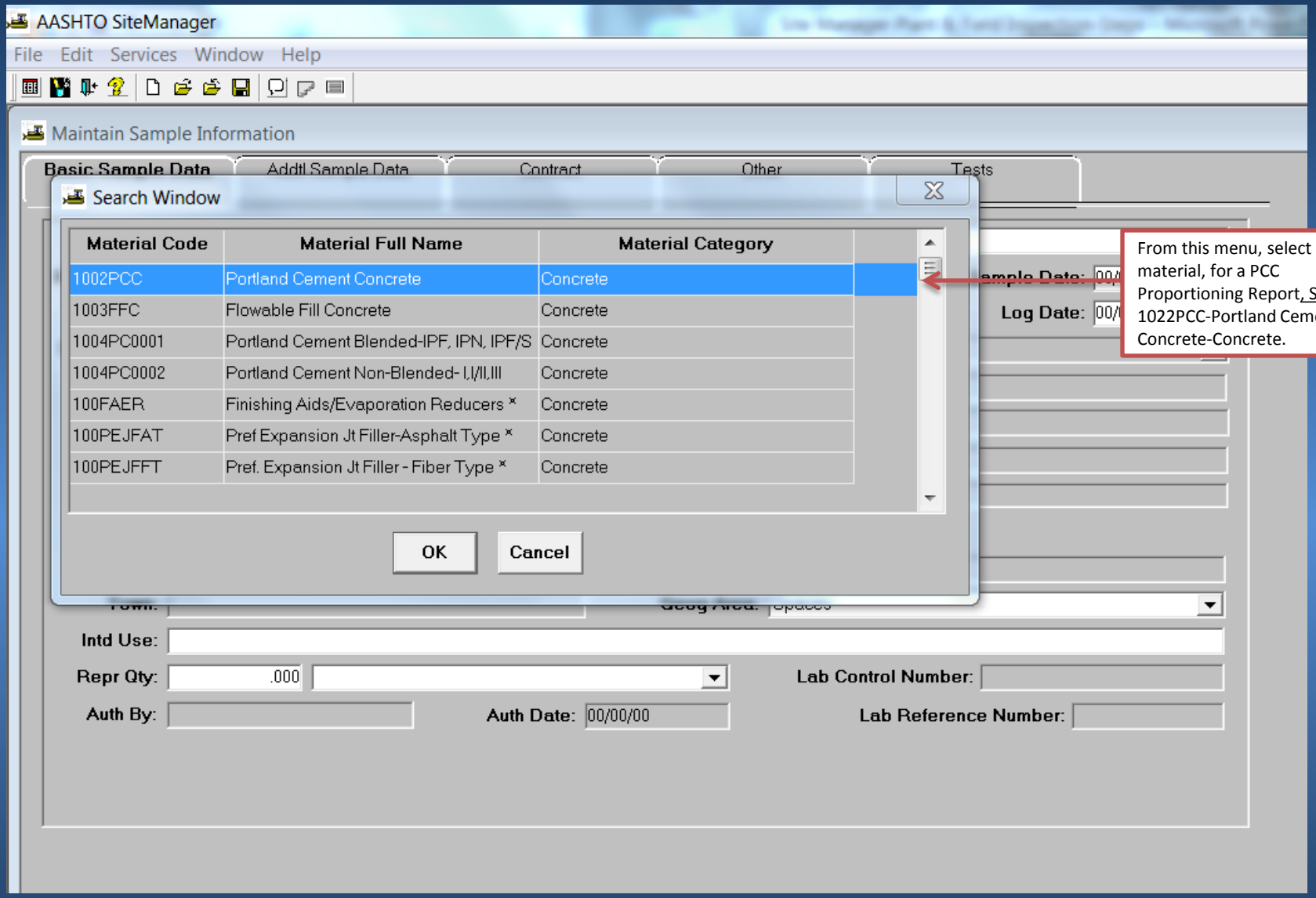
Find Sample

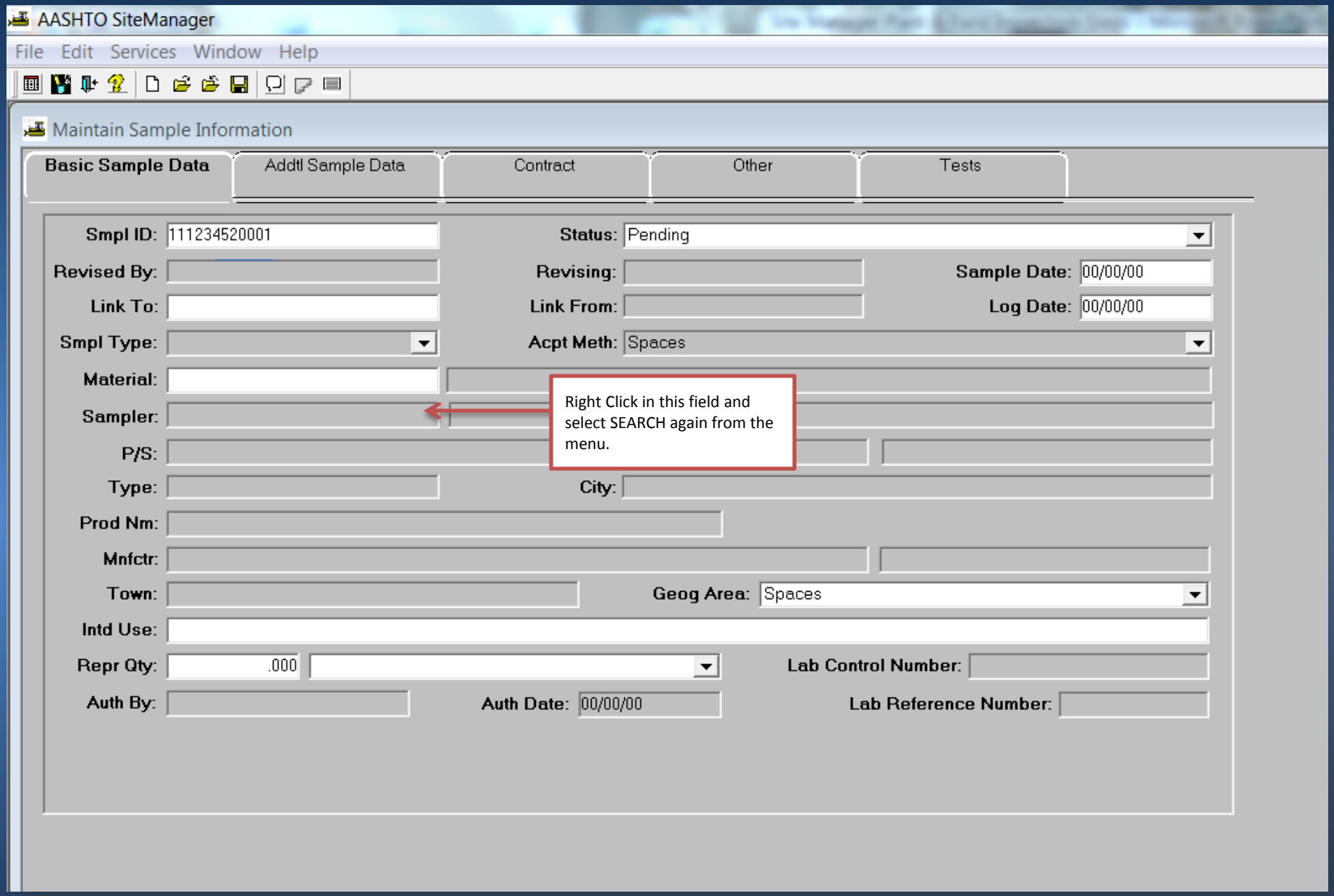
Sampling & Testing Requirements

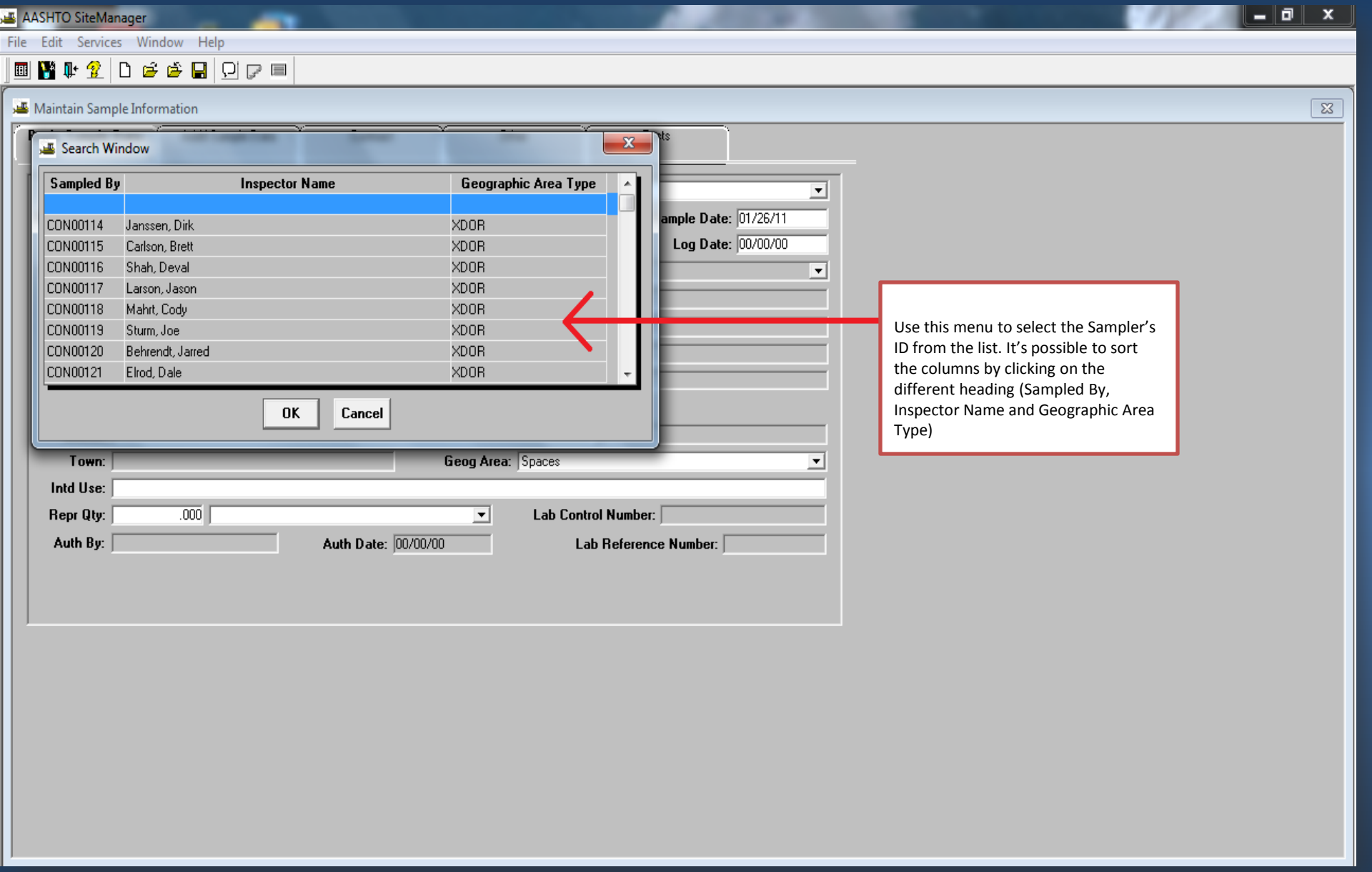
Standard Sample Remarks

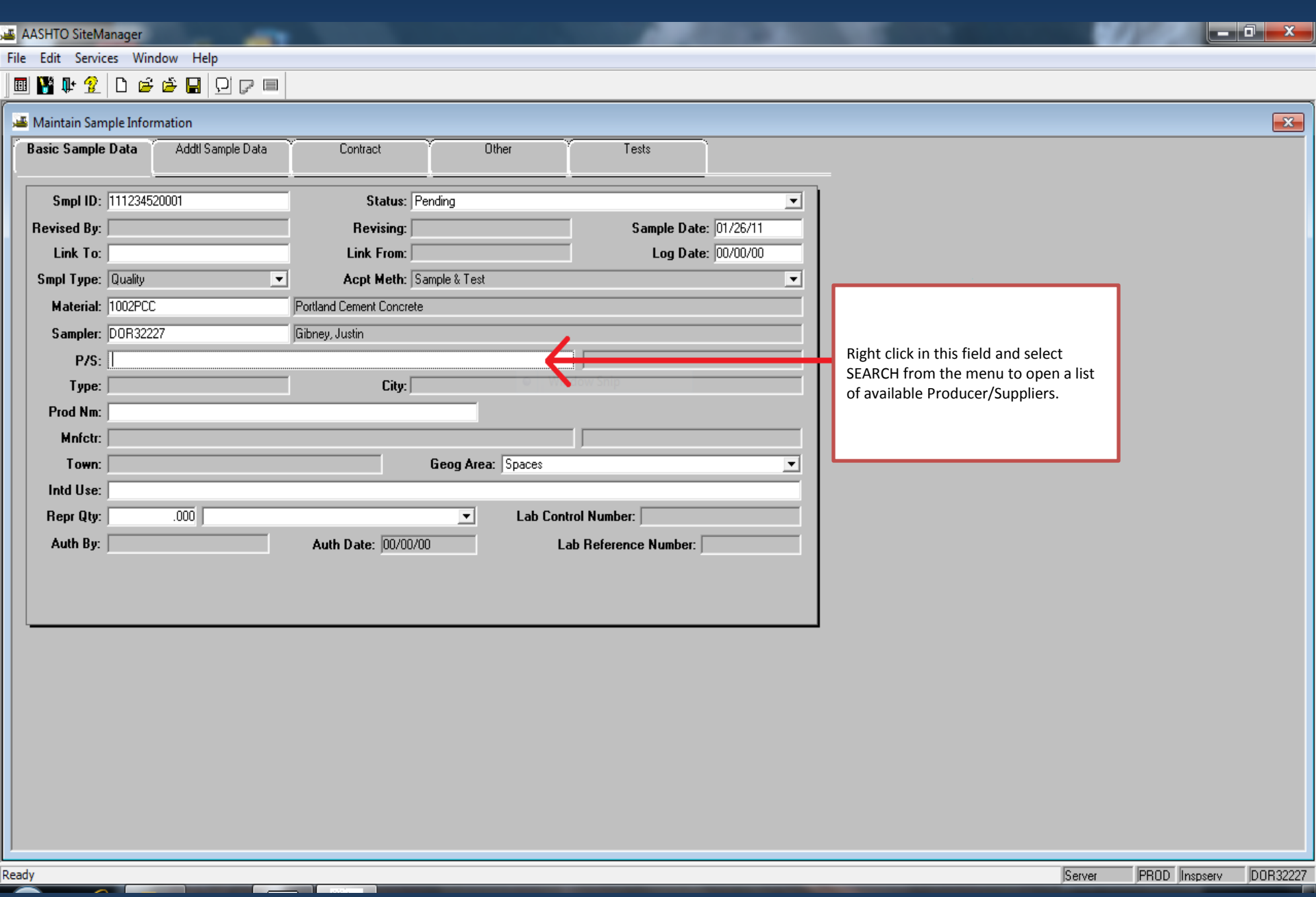

AASHTO SiteManager
File Edit Services Window Help
This is the Basic Sample Data Tab.
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 00/00/00
Link To:
Log Date: 00/00/00
Smpl Type:
Material:
Sampler:
P/S:
Type:
City:
Prod Nm:
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
This field is for the sample ID number.
• First Two Digits – Calendar year
• Next Five Digits - User id (exclude the three letters of the user id)
•Next One Digit – District that the sampler's office is located in
•Next four digits – consecutive number carried through the calendar year.
Note:
This page is where you begin the sample record.

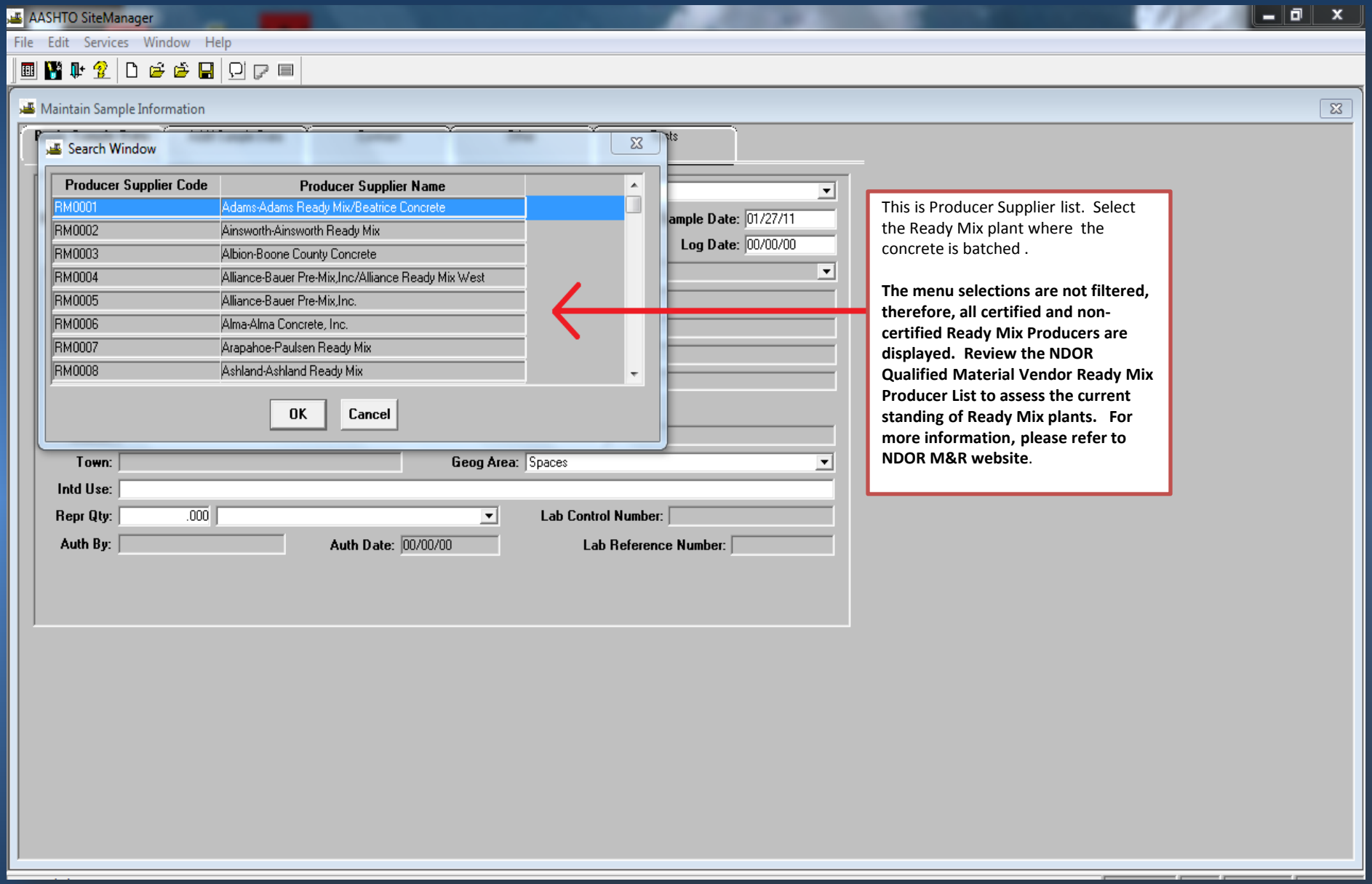

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 00/00/00
Link To:
Link From:
Log Date: 00/00/00
Smpl Type:
Acpt Meth: Spaces
Material:
Sampler:
P/S:
Type:
City:
Prod Nm:
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Enter the date of concrete placement
Once the date is entered, right click on this field and select SEARCH from the menu.


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Search Window
Material Code
Material Full Name
Material Category
1002PCC
Portland Cement Concrete
Concrete
1003FFC
Flowable Fill Concrete
Concrete
1004PC0001
Portland Cement Blended-IPF, IPN, IPF/S
Concrete
1004PC0002
Portland Cement Non-Blended- I,I/II,III
Concrete
100FAER
Finishing Aids/Evaporation Reducers *
Concrete
100PEJFAT
Pref Expansion Jt Filler-Asphalt Type *
Concrete
100PEJFFT
Pref. Expansion Jt Filler - Fiber Type *
Concrete
OK
Cancel
From this menu, select the material, for a PCC Proportioning Report, SELECT 1022PCC-Portland Cement Concrete-Concrete.
Log Date:
Intd Use:
Repr Qty:
.000
Lab Control Number:
Auth By:
Auth Date:
00/00/00
Lab Reference Number:


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 00/00/00
Link To:
Link From:
Log Date: 00/00/00
Smpl Type:
Acpt Meth: Spaces
Material:
Sampler:
P/S:
Type:
City:
Prod Nm:
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Right Click in this field and select SEARCH again from the menu.

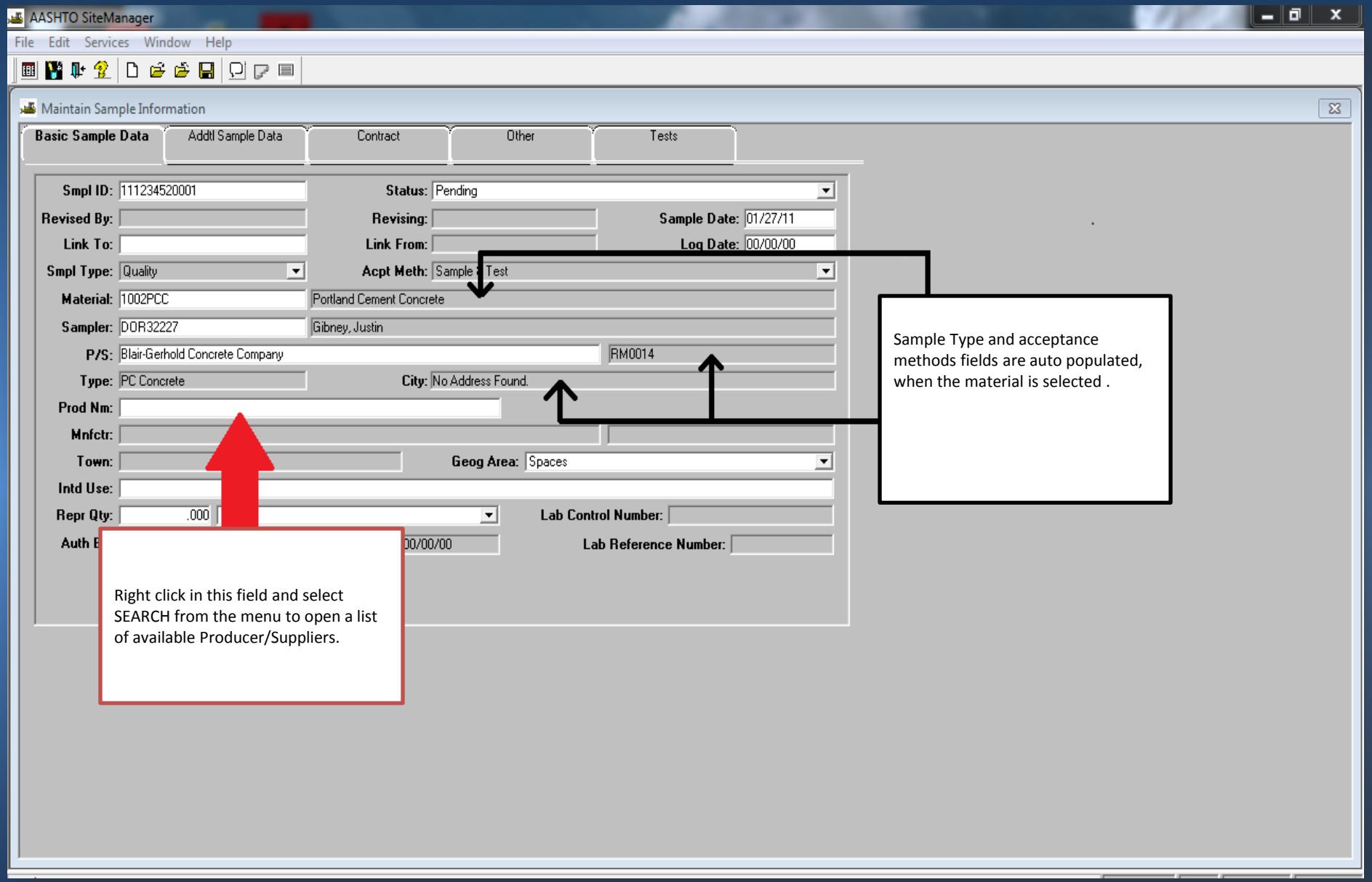

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Search Window
Sampled By
Inspector Name
Geographic Area Type
CON00114 Janssen, Dirk XDOR
CON00115 Carlson, Brett XDOR
CON00116 Shah, Deval XDOR
CON00117 Larson, Jason XDOR
CON00118 Mahrt, Cody XDOR
CON00119 Sturm, Joe XDOR
CON00120 Behrendt, Jarred XDOR
CON00121 Elrod, Dale XDOR
OK
Cancel
ample Date: 01/26/11
Log Date: 00/00/00
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Use this menu to select the Sampler's ID from the list. It's possible to sort the columns by clicking on the different heading (Sampled By, Inspector Name and Geographic Area Type)

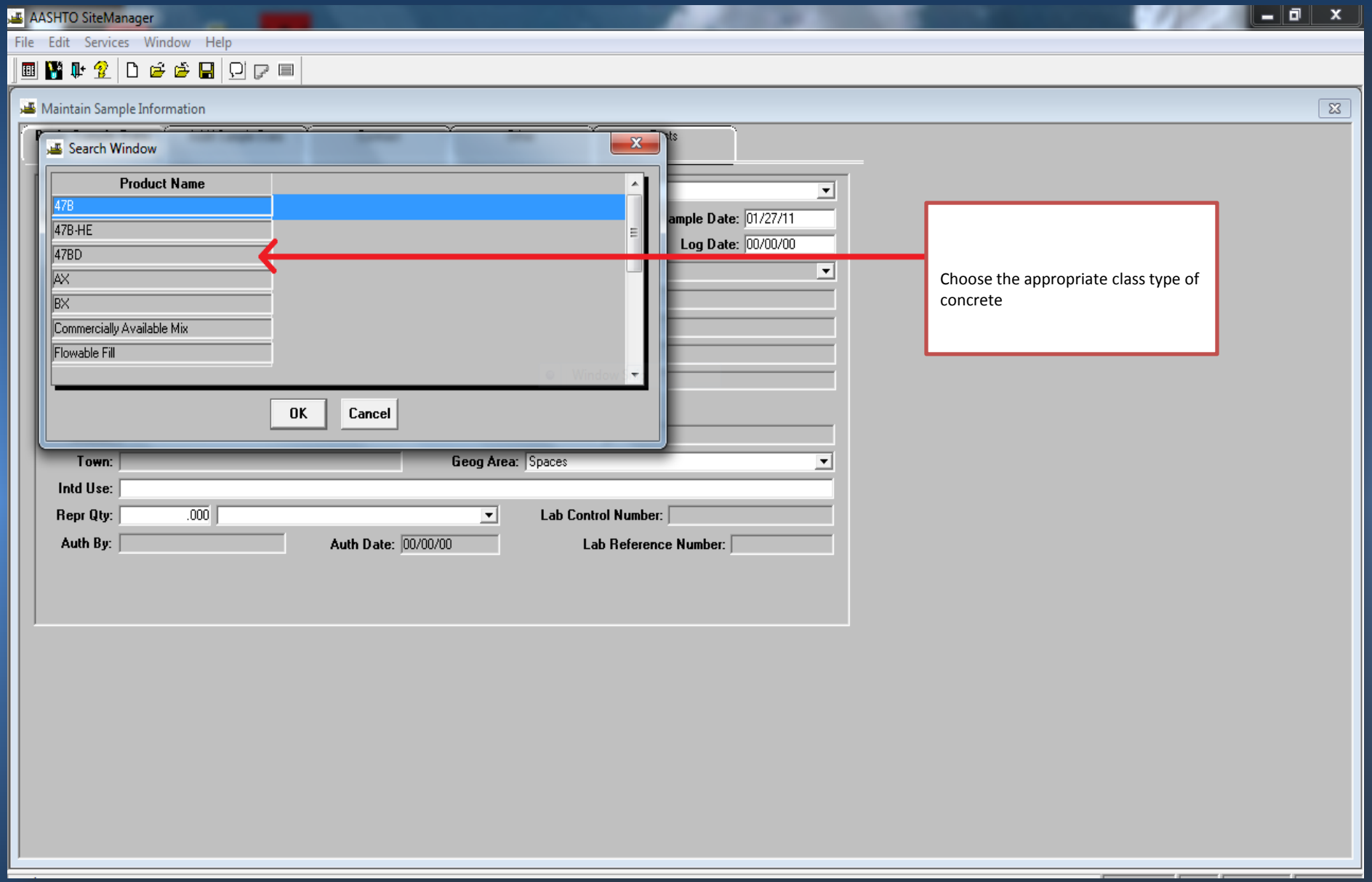

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/26/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample & Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S:
Type:
City:
Prod Nm:
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Right click in this field and select SEARCH from the menu to open a list of available Producer/Suppliers.
Ready
Server
PROD
Inspserv
DOR32227

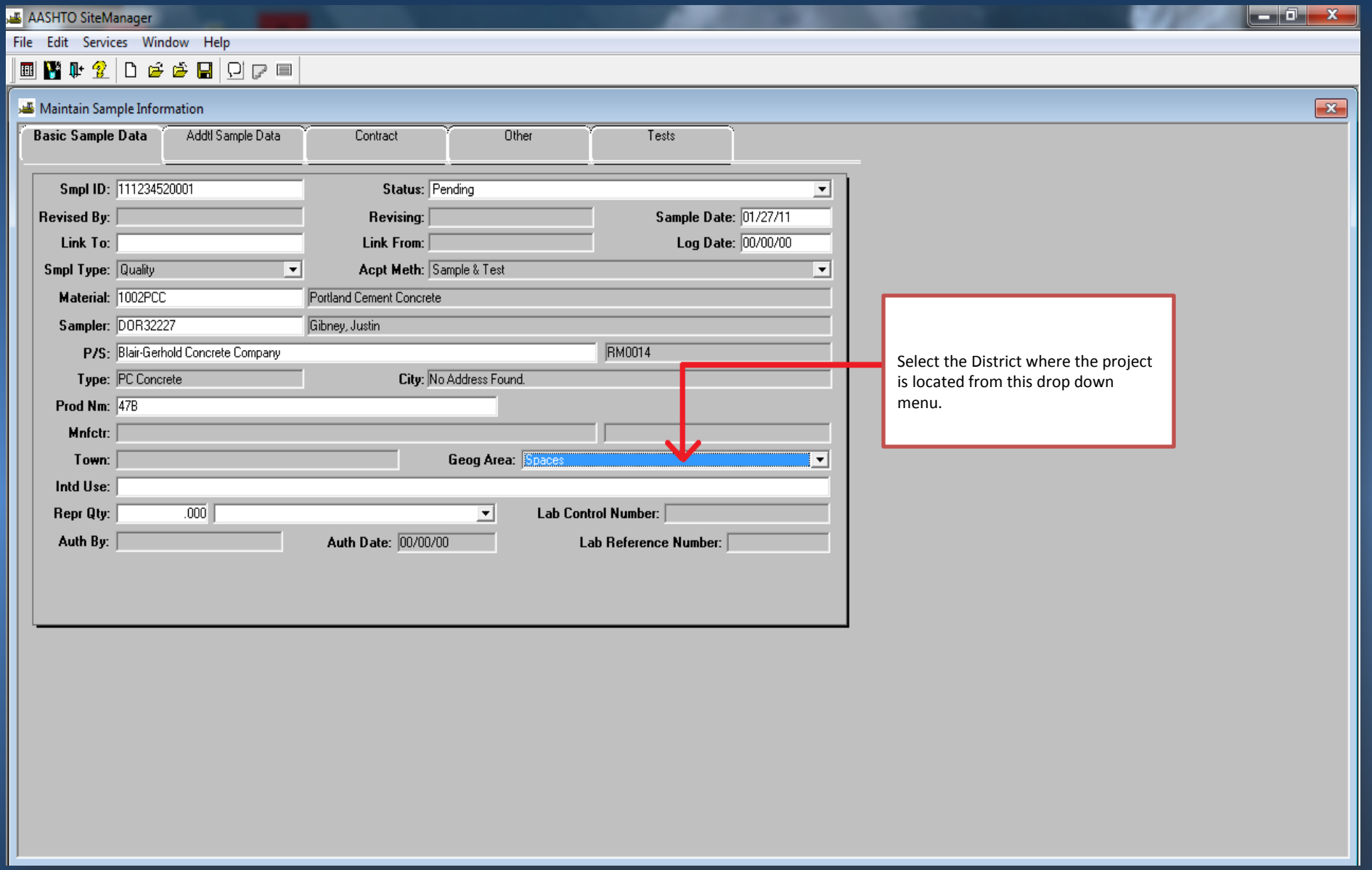


This is Producer Supplier list. Select the Ready Mix plant where the concrete is batched .

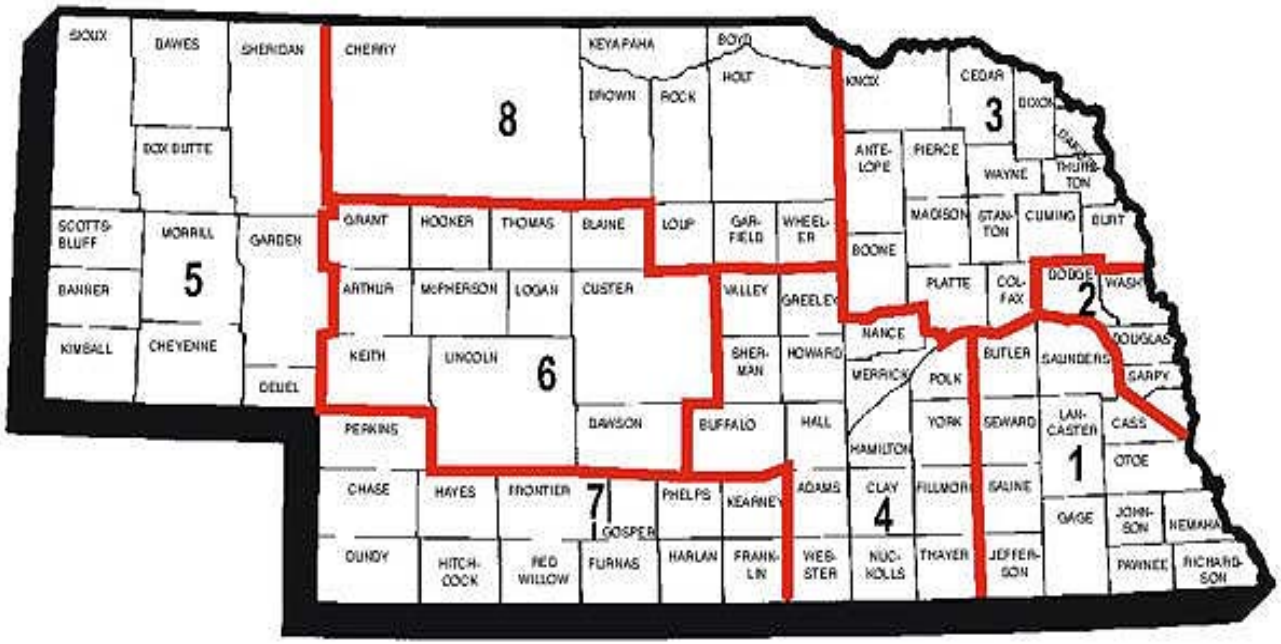
The menu selections are not filtered, therefore, all certified and non-certified Ready Mix Producers are displayed. Review the NDOR Qualified Material Vendor Ready Mix Producer List to assess the current standing of Ready Mix plants. For more information, please refer to NDOR M&R website.


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/27/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S: Blair-Gerhold Concrete Company
RM0014
Type: PC Concrete
City: No Address Found.
Prod Nm:
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth
00/00/00
Lab Reference Number:
Sample Type and acceptance methods fields are auto populated, when the material is selected .
Right click in this field and select SEARCH from the menu to open a list of available Producer/Suppliers.

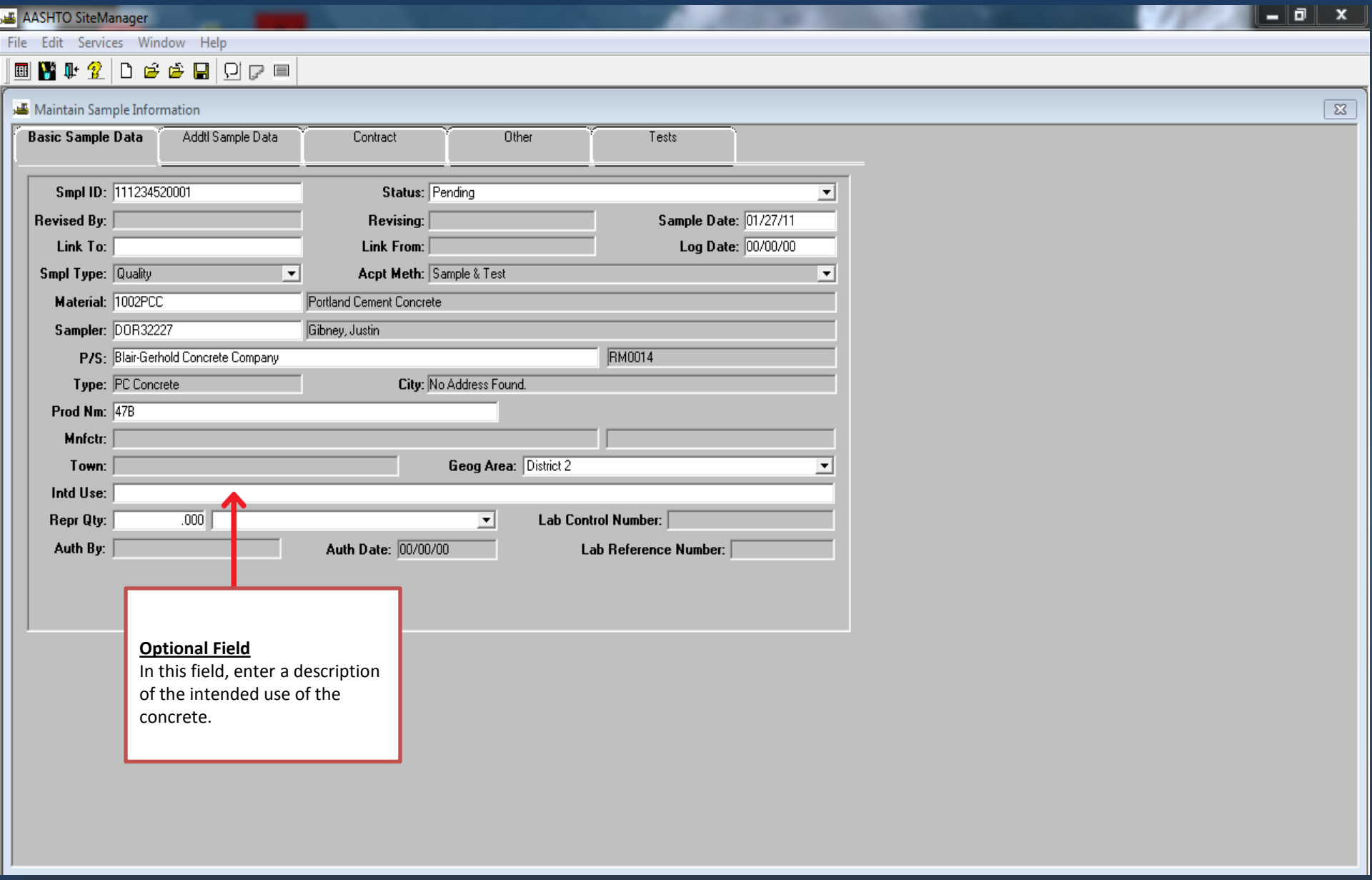

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Search Window
Product Name
47B
47B-HE
47BD
AX
BX
Commercially Available Mix
Flowable Fill
OK
Cancel
ample Date: 01/27/11
Log Date: 00/00/00
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Choose the appropriate class type of concrete

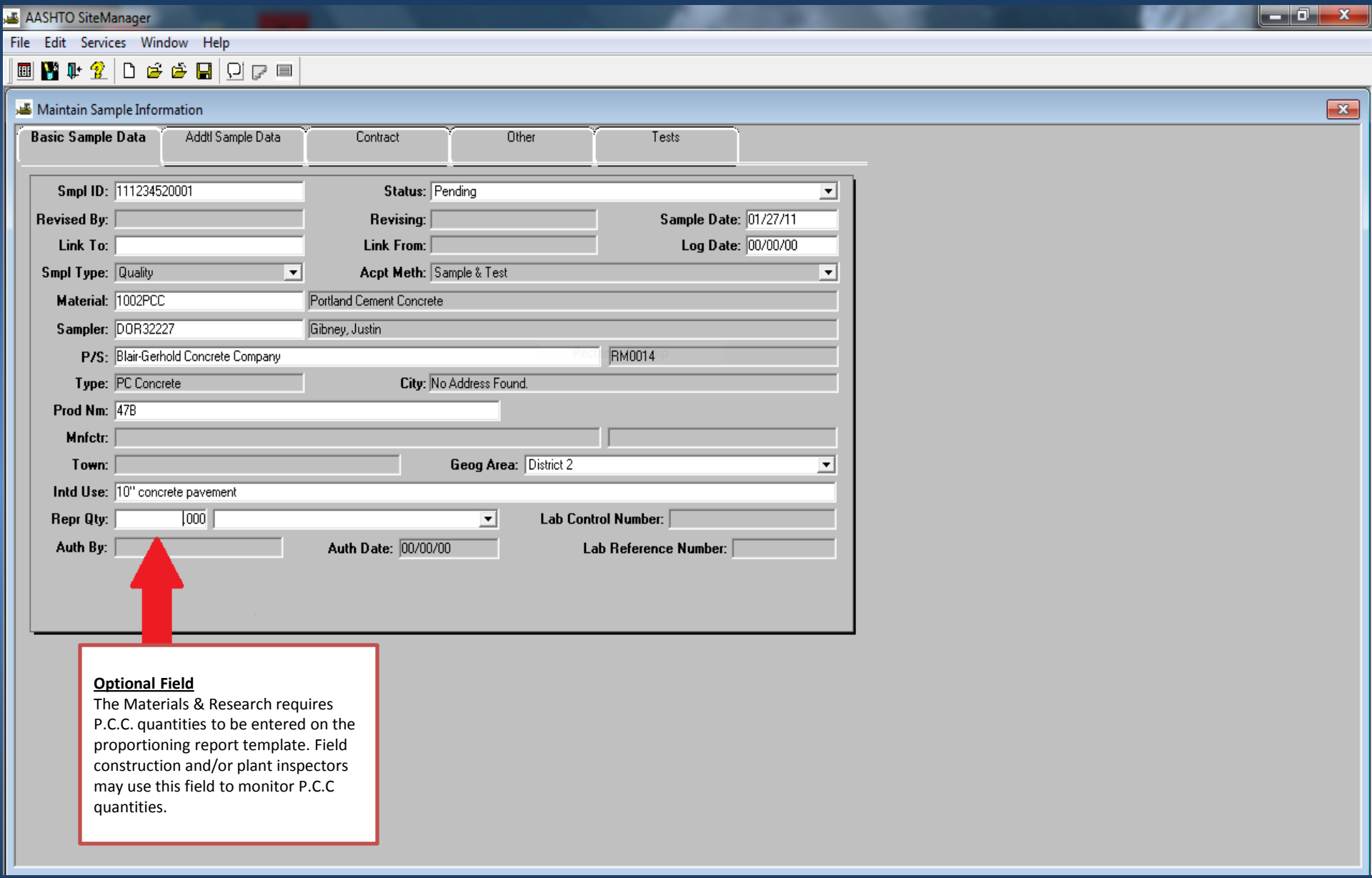

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/27/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample & Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S: Blair-Gerhold Concrete Company
RM0014
Type: PC Concrete
City: No Address Found.
Prod Nm: 47B
Mnfctr:
Town:
Geog Area: Spaces
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Select the District where the project is located from this drop down menu.

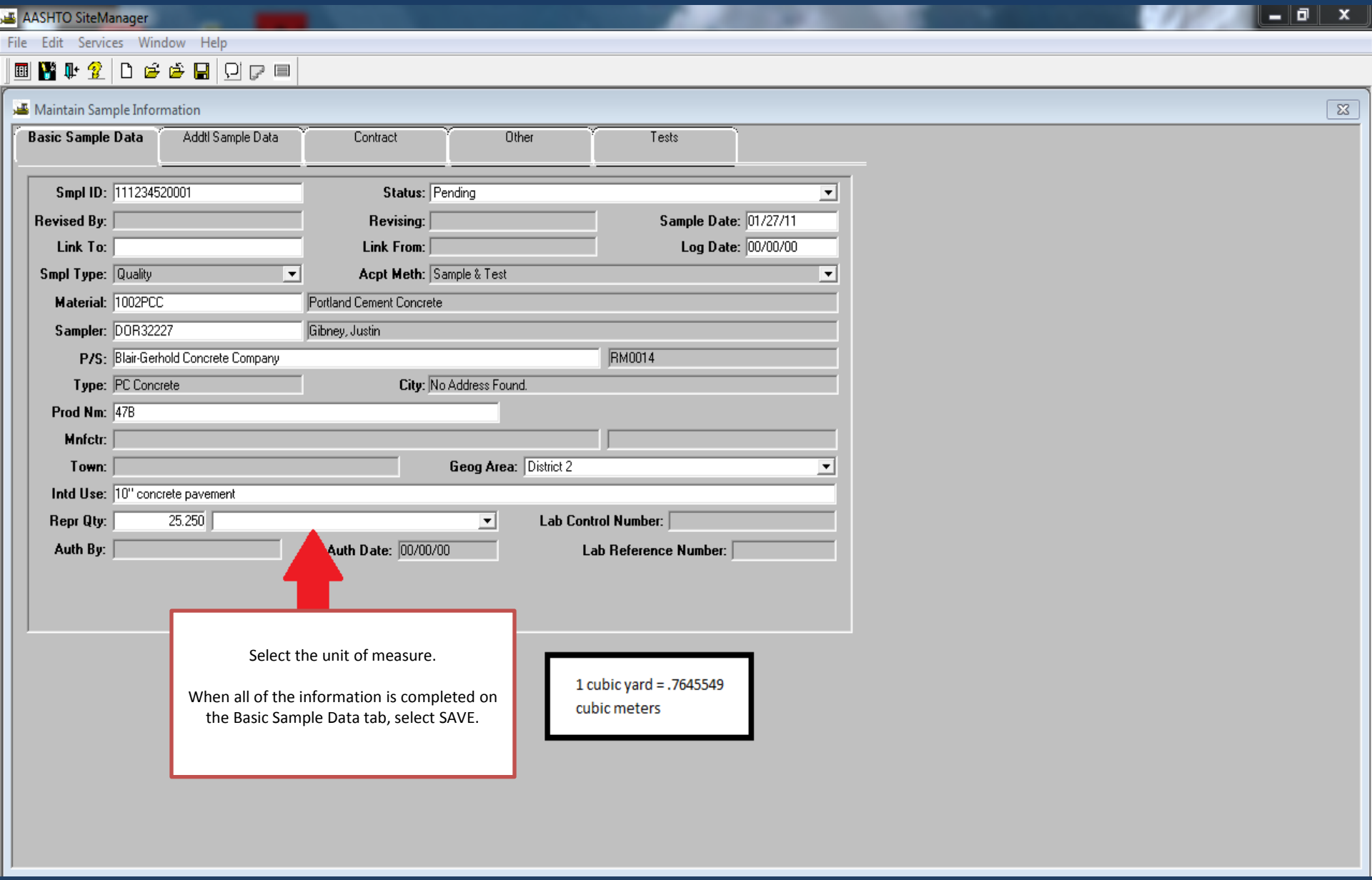
District Map

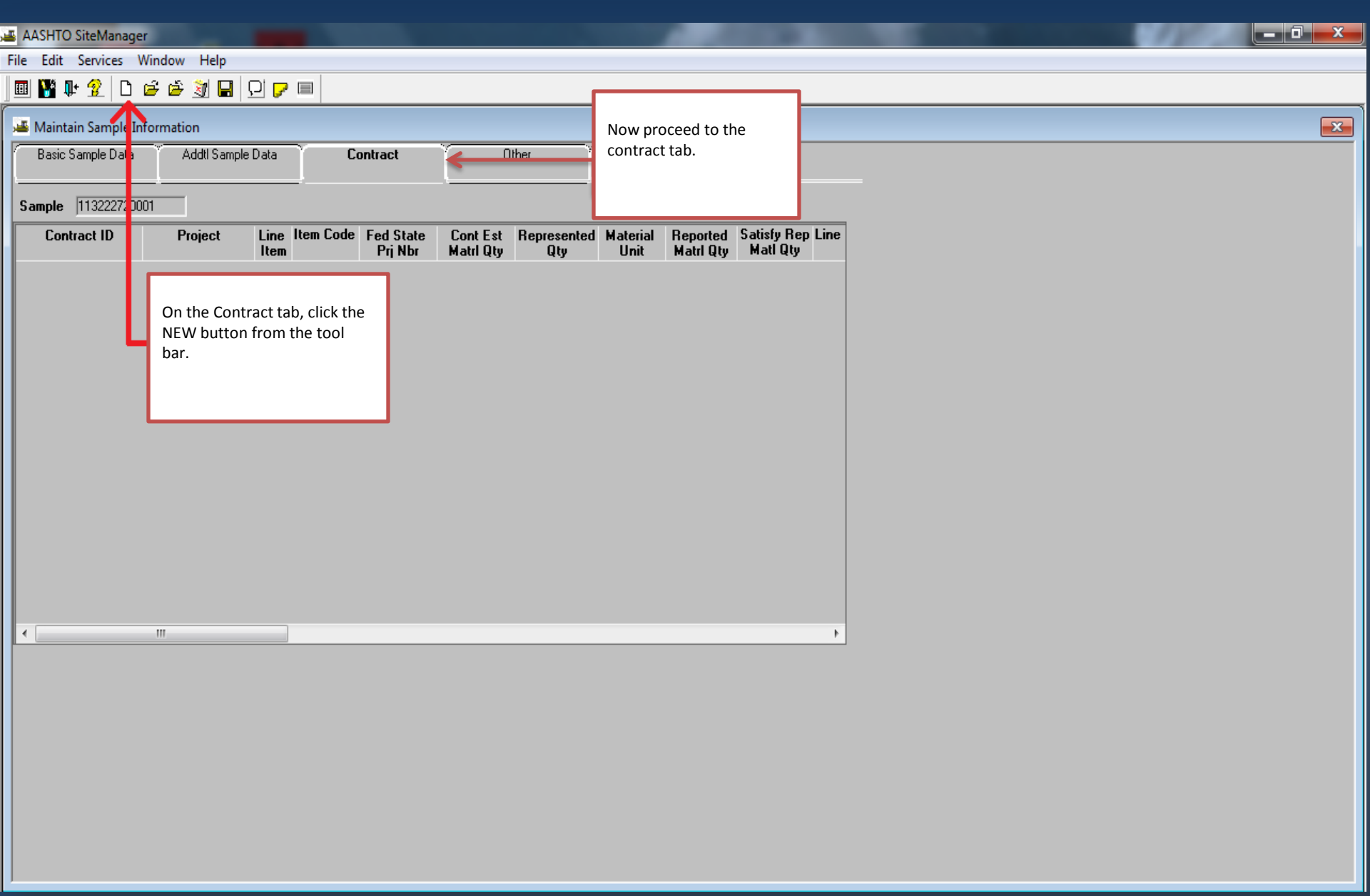


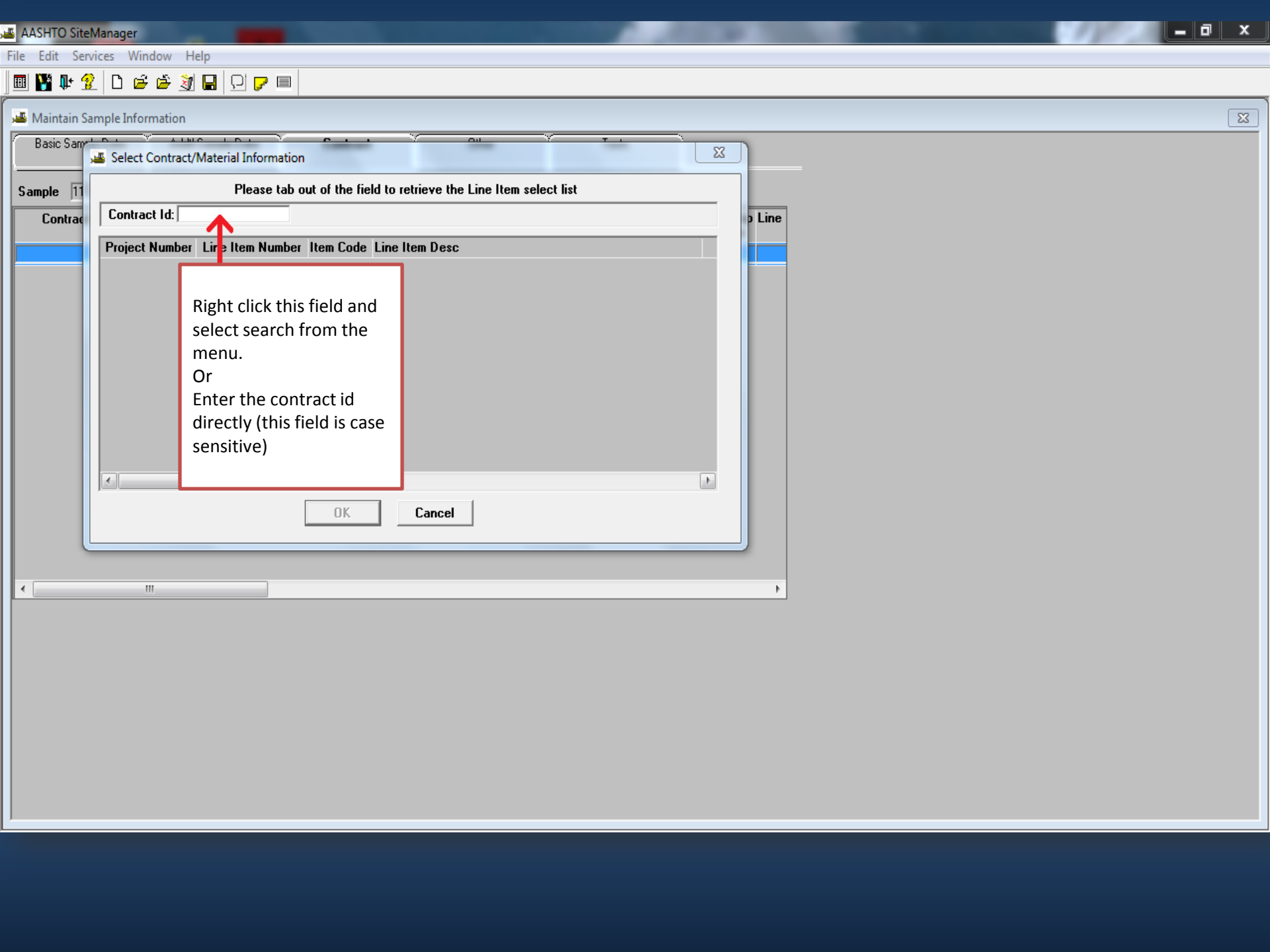
This map contains the breakdown of the different geographic regions and is located on the NDOR website.

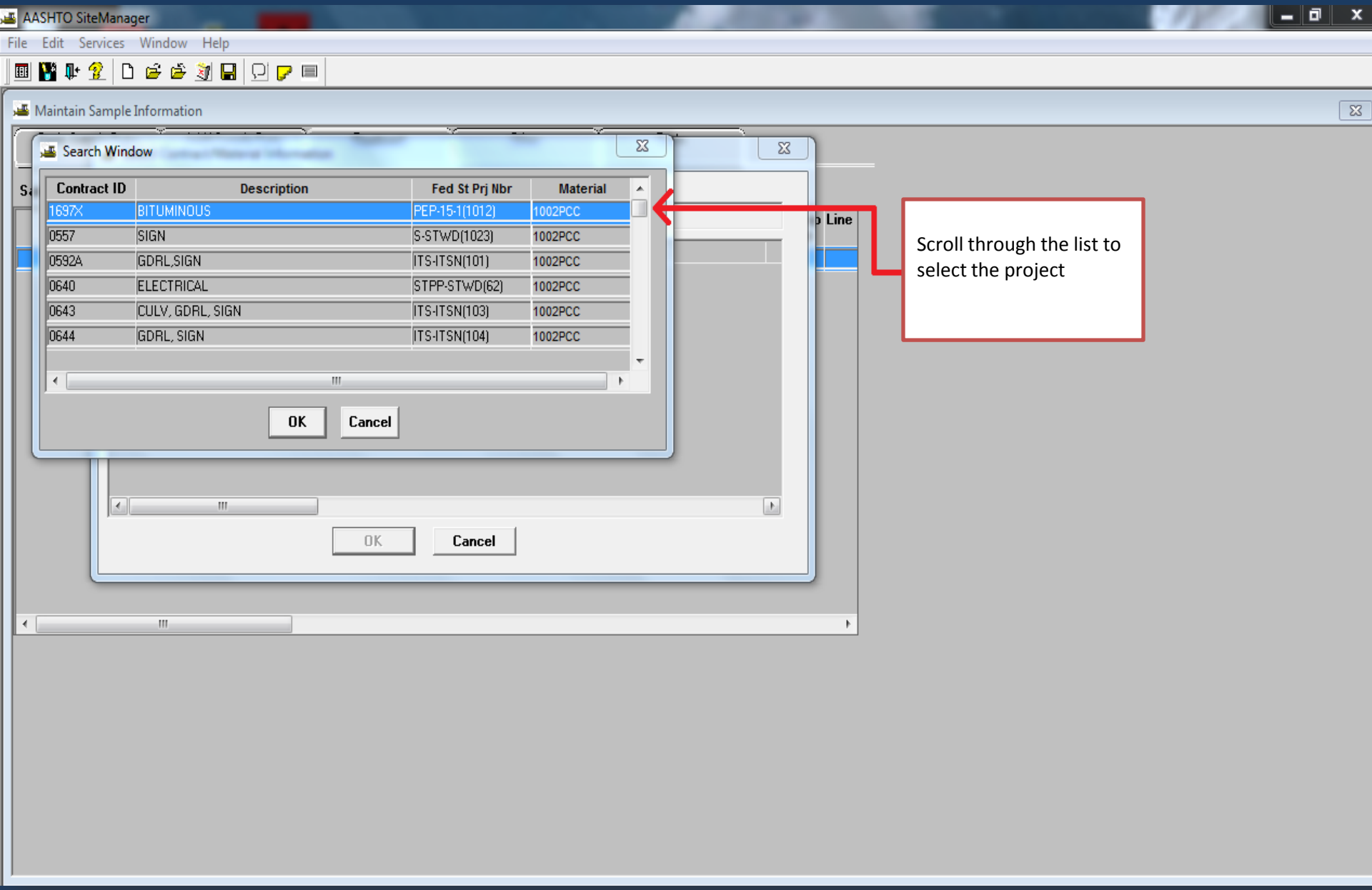

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/27/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample & Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S: Blair-Gerhold Concrete Company
RM0014
Type: PC Concrete
City: No Address Found.
Prod Nm: 47B
Mnfctr:
Town:
Geog Area: District 2
Intd Use:
Repr Qty: .000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Optional Field
In this field, enter a description of the intended use of the concrete.

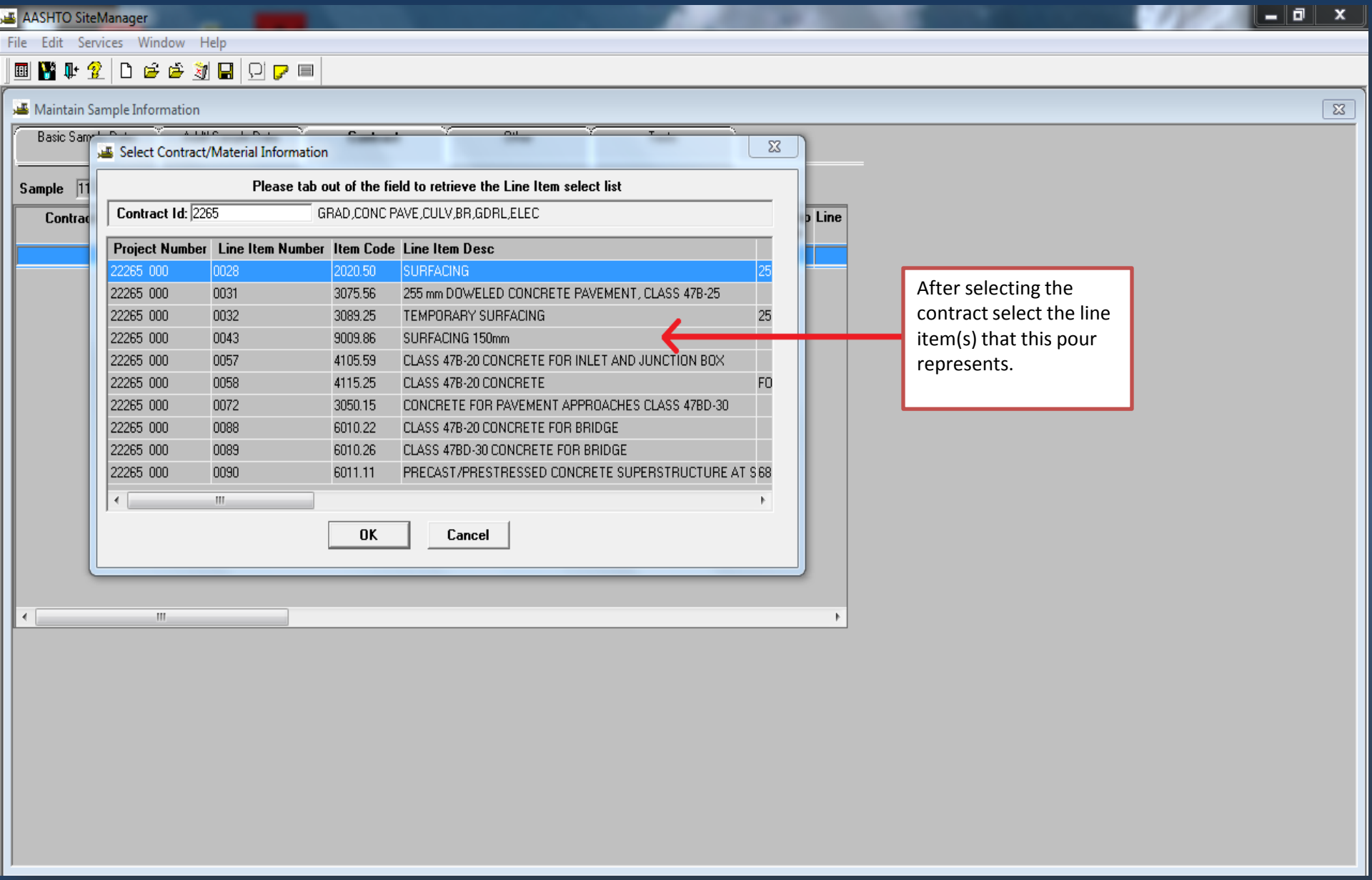

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/27/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample & Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S: Blair-Gerhold Concrete Company
RM0014
Type: PC Concrete
City: No Address Found.
Prod Nm: 47B
Mnfctr:
Town:
Geog Area: District 2
Intd Use: 10" concrete pavement
Repr Qty: 000
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Optional Field
The Materials & Research requires P.C.C. quantities to be entered on the proportioning report template. Field construction and/or plant inspectors may use this field to monitor P.C.C quantities.

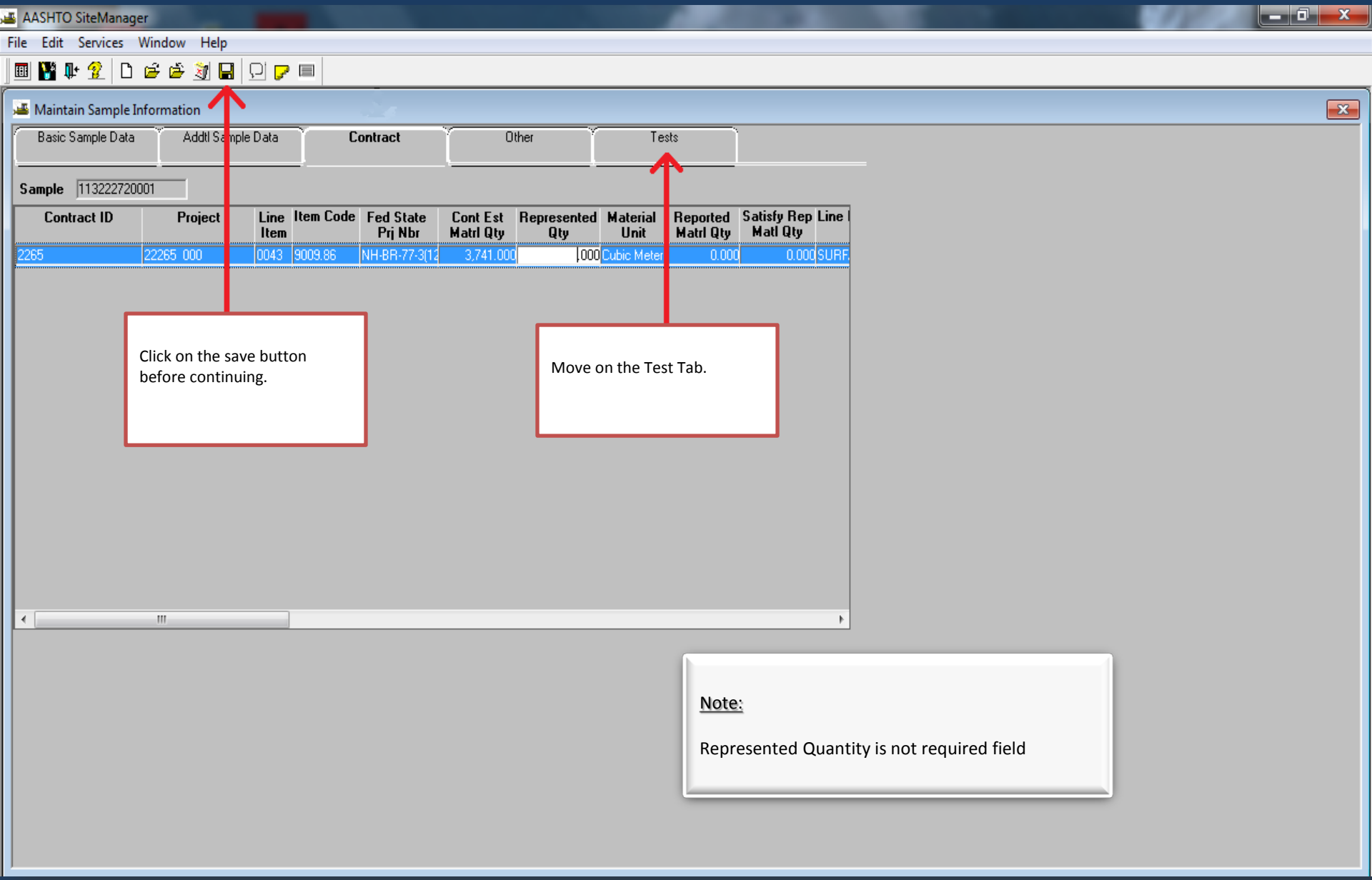

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Smpl ID: 111234520001
Status: Pending
Revised By:
Revising:
Sample Date: 01/27/11
Link To:
Link From:
Log Date: 00/00/00
Smpl Type: Quality
Acpt Meth: Sample & Test
Material: 1002PCC
Portland Cement Concrete
Sampler: DOR32227
Gibney, Justin
P/S: Blair-Gerhold Concrete Company
RM0014
Type: PC Concrete
City: No Address Found.
Prod Nm: 47B
Mnfctr:
Town:
Geog Area: District 2
Intd Use: 10" concrete pavement
Repr Qty: 25.250
Lab Control Number:
Auth By:
Auth Date: 00/00/00
Lab Reference Number:
Select the unit of measure.
When all of the information is completed on the Basic Sample Data tab, select SAVE.
1 cubic yard = .7645549 cubic meters

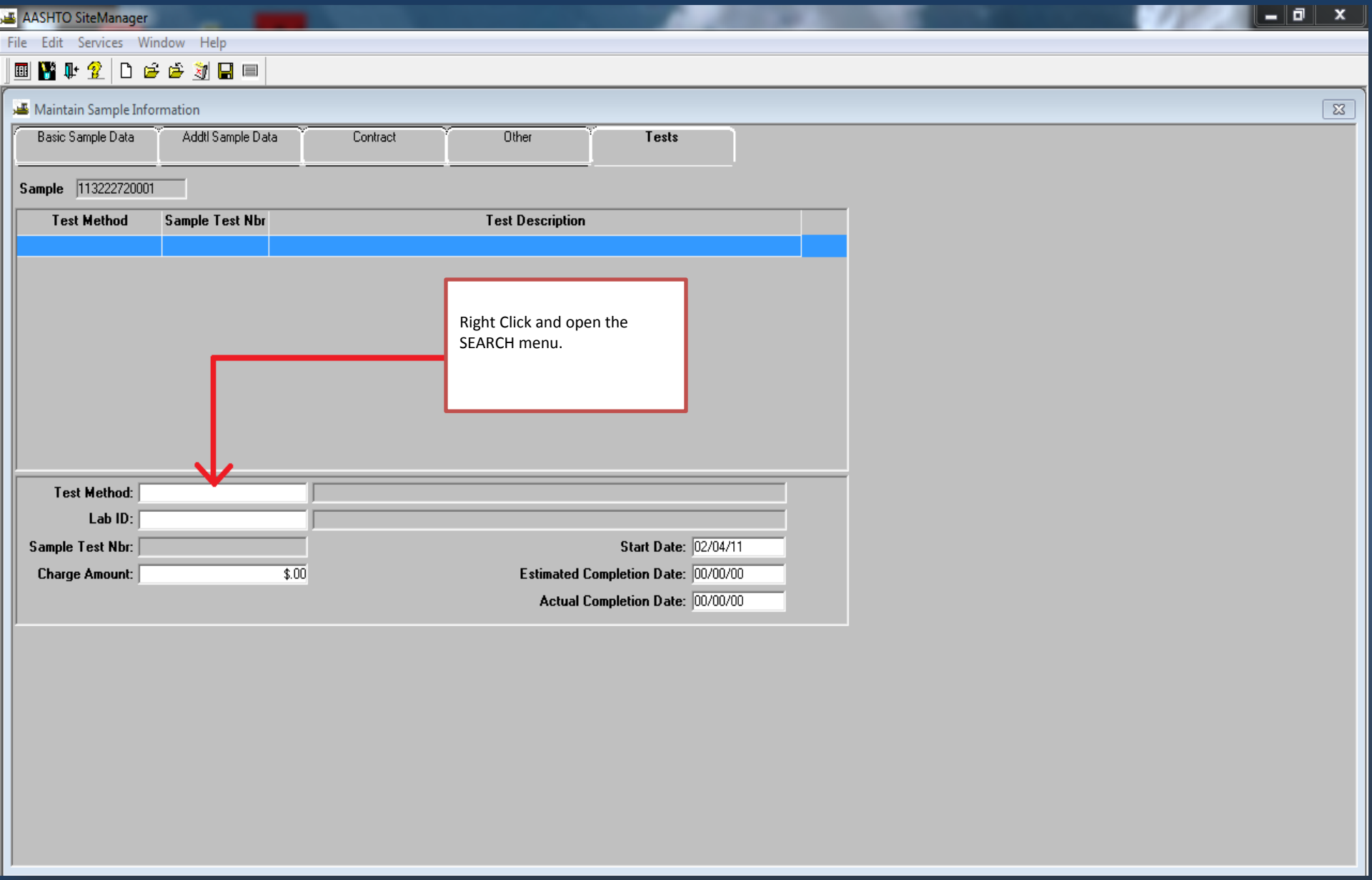

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Sample
Contract ID
Project
Line Item
Item Code
Fed State Prj Nbr
Cont Est Matrl Qty
Represented Qty
Material Unit
Reported Matrl Qty
Satisfy Rep Matl Qty
Line
Now proceed to the contract tab.
On the Contract tab, click the NEW button from the tool bar.

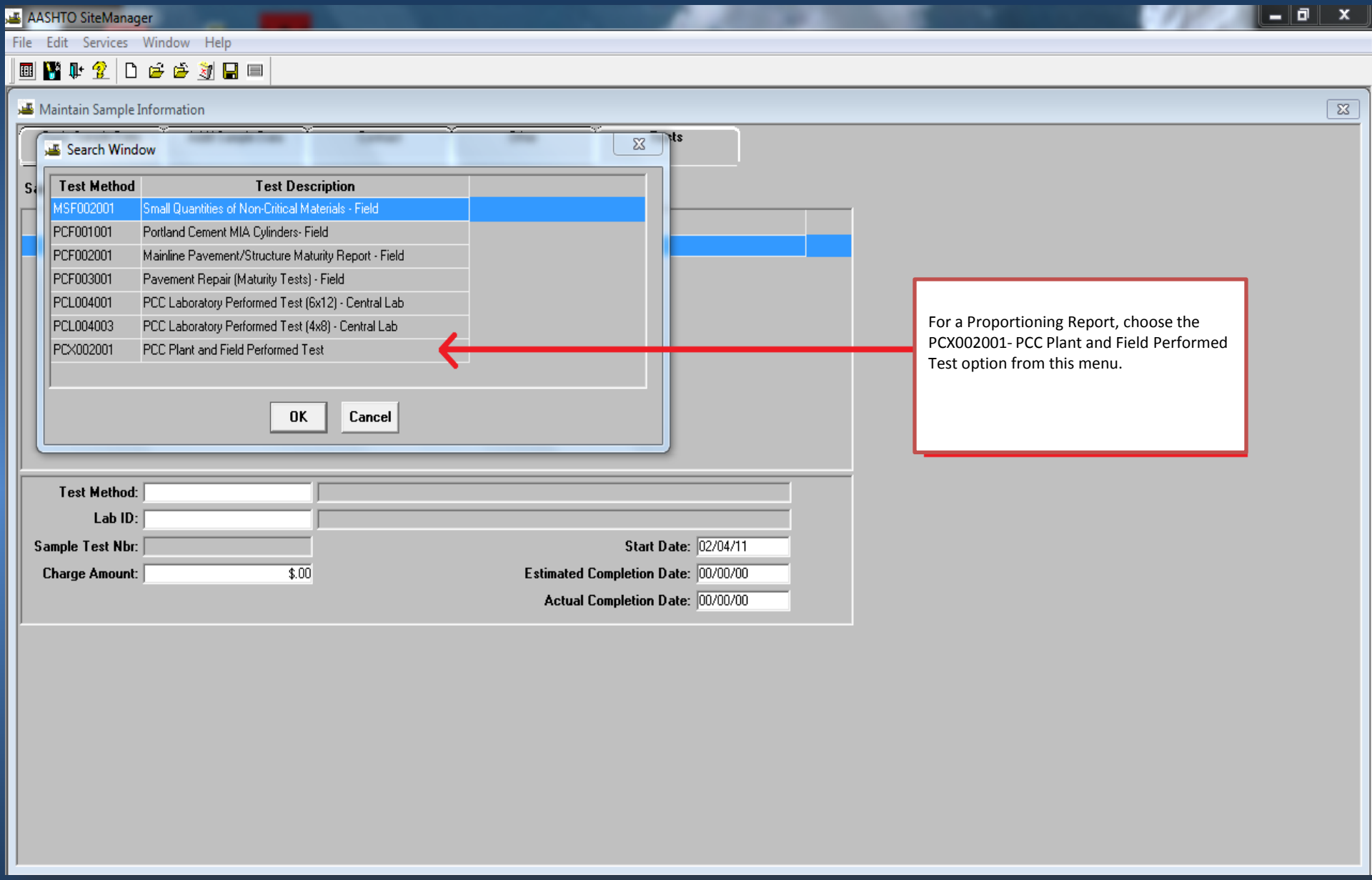

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Sample
Select Contract/Material Information
Please tab out of the field to retrieve the Line Item select list
Contract Id:
Project Number
Item Code
Line Item Desc
Right click this field and select search from the menu.
Or
Enter the contract id directly (this field is case sensitive)
OK
Cancel

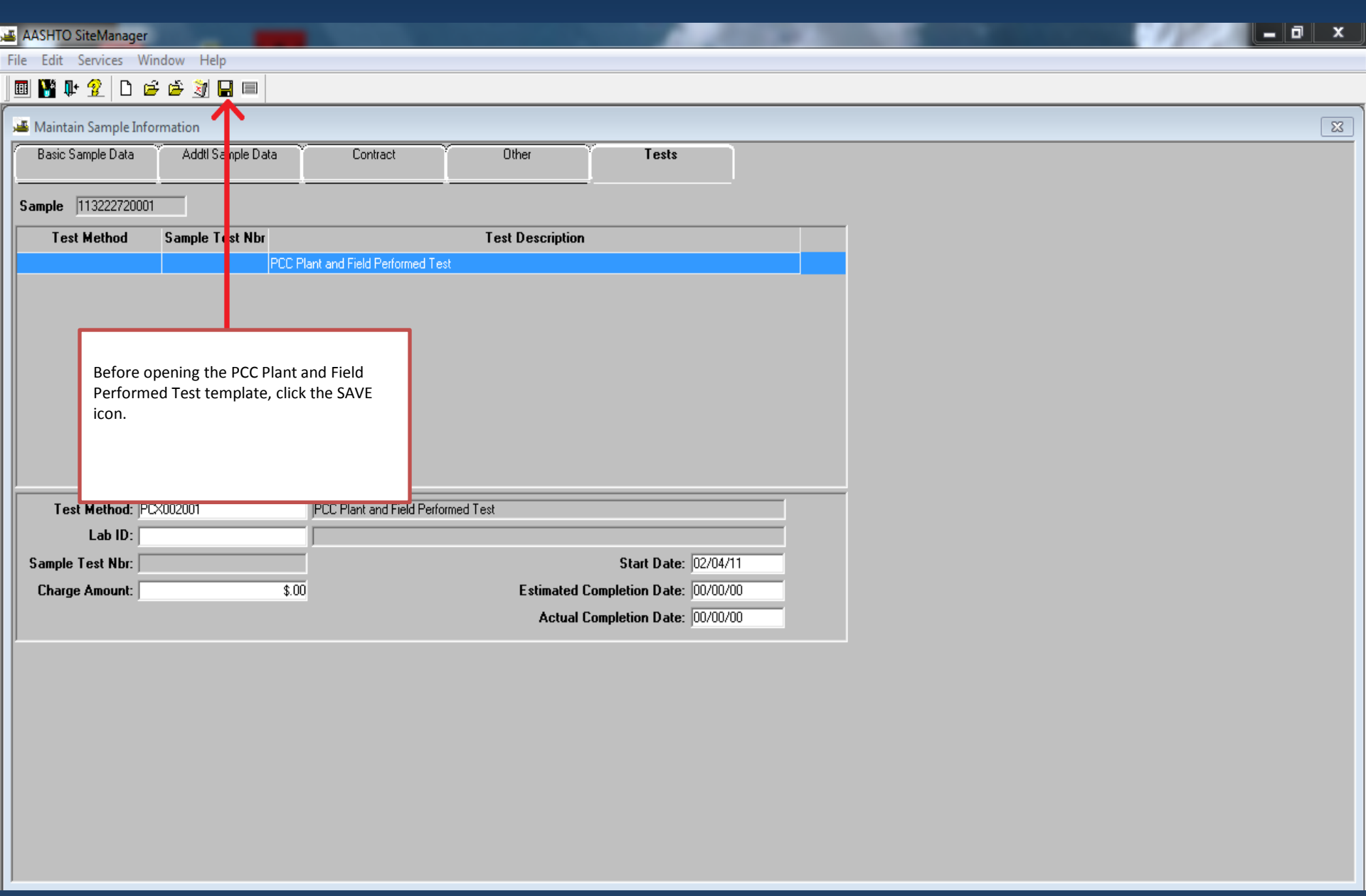

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Search Window
Contract ID
Description
Fed St Prj Nbr
Material
1697X
BITUMINOUS
PEP-15-1(1012)
1002PCC
0557
SIGN
S-STWD(1023)
1002PCC
0592A
GDRL,SIGN
ITS-ITSN(101)
1002PCC
0640
ELECTRICAL
STPP-STWD(62)
1002PCC
0643
CULV, GDRL, SIGN
ITS-ITSN(103)
1002PCC
0644
GDRL, SIGN
ITS-ITSN(104)
1002PCC
OK
Cancel
OK
Cancel
Scroll through the list to select the project

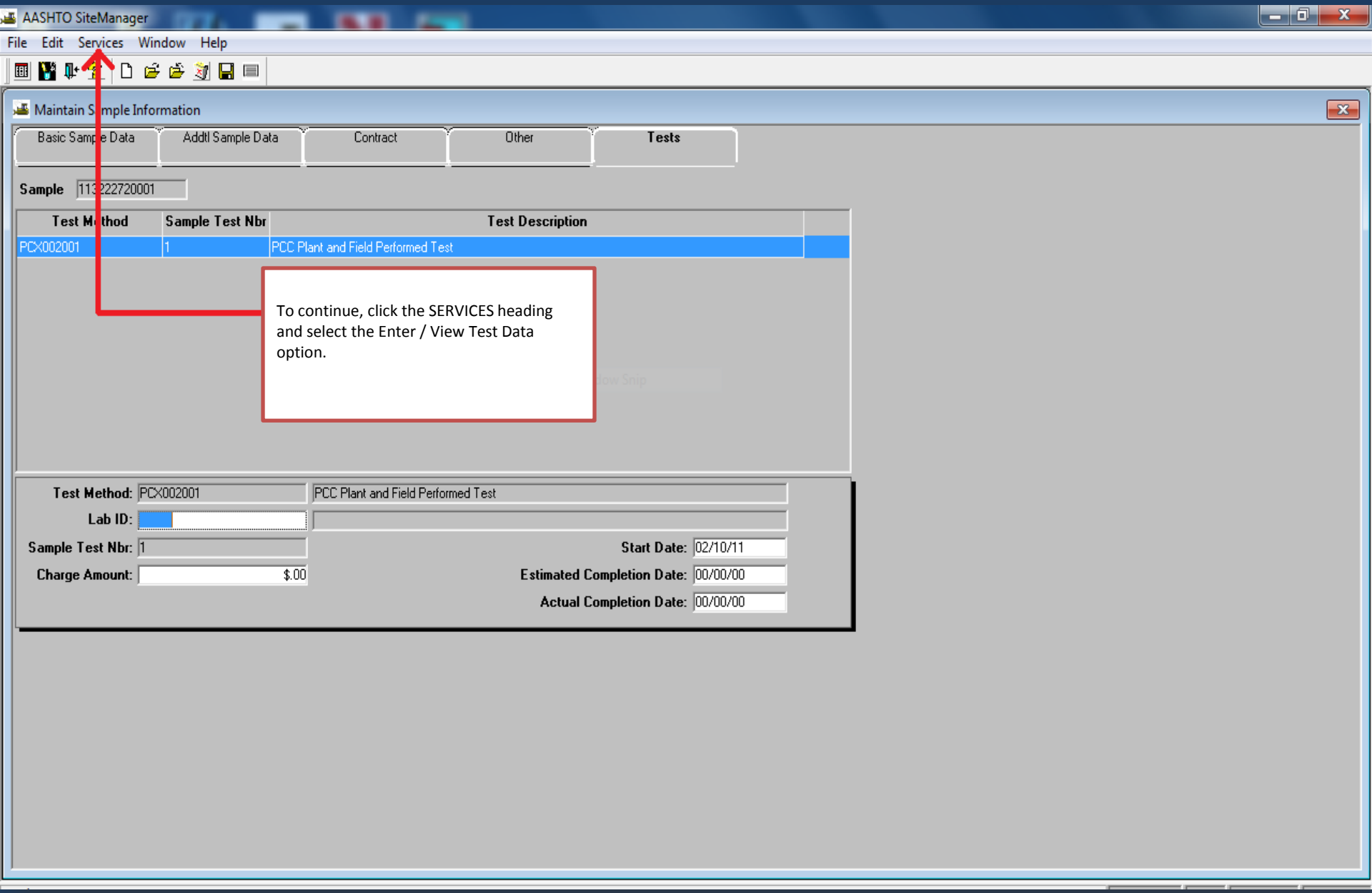

AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Select Contract/Material Information
Please tab out of the field to retrieve the Line Item select list
Contract Id: 2265
GRAD,CONC PAVE,CULV,BR,GDRL,ELEC
Project Number | Line Item Number | Item Code | Line Item Desc
22265 000 | 0028 | 2020.50 | SURFACING
22265 000 | 0031 | 3075.56 | 255 mm DOWELED CONCRETE PAVEMENT, CLASS 47B-25
22265 000 | 0032 | 3089.25 | TEMPORARY SURFACING
22265 000 | 0043 | 9009.86 | SURFACING 150mm
22265 000 | 0057 | 4105.59 | CLASS 47B-20 CONCRETE FOR INLET AND JUNCTION BOX
22265 000 | 0058 | 4115.25 | CLASS 47B-20 CONCRETE
22265 000 | 0072 | 3050.15 | CONCRETE FOR PAVEMENT APPROACHES CLASS 47BD-30
22265 000 | 0088 | 6010.22 | CLASS 47B-20 CONCRETE FOR BRIDGE
22265 000 | 0089 | 6010.26 | CLASS 47BD-30 CONCRETE FOR BRIDGE
22265 000 | 0090 | 6011.11 | PRECAST/PRESTRESSED CONCRETE SUPERSTRUCTURE AT
OK
Cancel
After selecting the contract select the line item(s) that this pour represents.


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Sample 113222720001
Contract ID
Project
Line Item
Item Code
Fed State Prj Nbr
Cont Est Matrl Qty
Represented Qty
Material Unit
Reported Matrl Qty
Satisfy Rep Matl Qty
Line
2265
22265 000
0043
9009.86
NH-BR-77-3(12
3,741.000
.000
Cubic Meter
0.000
0.000
SURF
Click on the save button before continuing.
Move on the Test Tab.
Note:
Represented Quantity is not required field


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Sample 113222720001
Test Method
Sample Test Nbr
Test Description
Right Click and open the SEARCH menu.
Test Method:
Lab ID:
Sample Test Nbr:
Charge Amount: $.00
Start Date: 02/04/11
Estimated Completion Date: 00/00/00
Actual Completion Date: 00/00/00


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Search Window
Test Method
Test Description
MSF002001 Small Quantities of Non-Critical Materials - Field
PCF001001 Portland Cement MIA Cylinders- Field
PCF002001 Mainline Pavement/Structure Maturity Report - Field
PCF003001 Pavement Repair (Maturity Tests) - Field
PCL004001 PCC Laboratory Performed Test (6x12) - Central Lab
PCL004003 PCC Laboratory Performed Test (4x8) - Central Lab
PCX002001 PCC Plant and Field Performed Test
OK
Cancel
Test Method:
Lab ID:
Sample Test Nbr:
Charge Amount: $.00
Start Date: 02/04/11
Estimated Completion Date: 00/00/00
Actual Completion Date: 00/00/00
For a Proportioning Report, choose the PCX002001- PCC Plant and Field Performed Test option from this menu.


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Sample 113222720001
Test Method
Sample Test Nbr
Test Description
PCC Plant and Field Performed Test
Before opening the PCC Plant and Field Performed Test template, click the SAVE icon.
Test Method: PCX002001
PCC Plant and Field Performed Test
Lab ID:
Sample Test Nbr:
Charge Amount: $.00
Start Date: 02/04/11
Estimated Completion Date: 00/00/00
Actual Completion Date: 00/00/00


AASHTO SiteManager
File Edit Services Window Help
Maintain Sample Information
Basic Sample Data
Addtl Sample Data
Contract
Other
Tests
Sample 113222720001
Test Method
Sample Test Nbr
Test Description
PCX002001
1
PCC Plant and Field Performed Test
To continue, click the SERVICES heading and select the Enter / View Test Data option.
Test Method: PCX002001
PCC Plant and Field Performed Test
Lab ID:
Sample Test Nbr: 1
Charge Amount: $.00
Start Date: 02/10/11
Estimated Completion Date: 00/00/00
Actual Completion Date: 00/00/00

If there is a single inspector that performs both the plant and field test, the tester will complete the entire proportioning report.

When plant and field inspection duties are divided, the plant inspector will create the sample record

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs						Wet Weight		
	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Aggregate Fine		Aggregate Coarse
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs

Specific Gravity						Free Moisture %	
Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

If there is a single inspector that performs both the plant and field test, the tester will complete the entire proportioning report.

When plant and field Inspection duties are divided, field inspector will document the results test for the type of work and curing methods used.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Target Weight of Cement per C.Y.
lbs
lbs

Certified Ready Mix Plant Inspector:

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

```
CUSTOMER                                          TICKET NO      LOAD NO      PLANT NAME
TAB CONSTRUCTION                                    42632         91964        52
TRUCK        USER LOGIN  DISP TICKET NUM TICKET NUM TICKET ID  TIME      DATE
3317         ERIC              52940751      42632      58787  10:54   08/19/2010
LOAD SIZE    MIX CODE                                           SEQ       LOAD ID
 9.50 yd     102508                                              D          60439
MATERIAL     DESIGN QTY   REQUIRED    BATCHED      VAR    % VAR    %MOISTURE ACTUAL WAT
S47B           2110 lb    20638 lb    20620        -18     -.09%    2.60 M    62.62 gl
L47B            890 lb     8603 lb     8580        -23     -.27%    1.40 M    14.20 gl
CT1PF          564.0 lb   5358.0 lb   5340.0      -18.0    -.34%
AAEDAR          4.75 oz    45.12 oz    46.00       0.88    1.95%
AWRD82          3.00 /C   160.74 oz   159.00      -1.74   -1.08%
WATERG         28.50 gl   174.60 gl   174.96       0.36    0.21%                174.96 gl
WATERH          0.00 gl #   0.00 gl     0.00       0.00    0.00%
ACALC           0.00 oz #   0.00 oz     0.00       0.00    0.00%
ADARSET         0.00 oz #   0.00 oz     0.00       0.00    0.00%
TEMPER          0.00 gl    11.00 gl    11.00       0.00    0.00%                 11.00 gl
NON-SIMULATED   NUM BATCHES: 1
 LOAD TOTAL: 36105 lb  DESIGN W/C: 0.422  WATER/CEMENT: 0.418T   DESIGN WATER: 2
70.8 gl
 ACTUAL WATER:  262.8 gl   TO ADD:    3.0 gl
 SLUMP:  2.50 "# WATER IN TRUCK:    5.0 gl    ADJUST WATER:     0.0 gl /load   TRIM
WATER:     0.0 gl /yd
 LOAD COMPLETED  LOAD TIME:03:00 -----TARES----------------------------------------
AGG SCALE   B: 1 ST:   -40 lb    ET:   -40 lb    CEM SCALE   B: 1 ST:    50 lb    ET:
40 lb
WAT SCALE   B: 1 ST:    -8 lb    ET:    -8 lb
```

You will need a copy of the first load's batch ticket in order to complete the next section

PCC Plant and Field Performed Tests

NDOR M&R
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110113

Certified Ready Mix Plant Inspector:

Record the NDOR Certified Ready Mix Plant Inspector Level II here.

Target Weight of Cement per C.Y.
lbs
lbs

Refer to Special Provision Concrete Mixes Table 1002.02 to find Class of Concrete that will be used in the project. Enter the total weight of cementitious material per (lbs/cy) here.

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	GGBS	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Slag

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR M&R
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110113

Enter the additional supplemental cementitious Material such as Fly ash, Silica Fume, GGBS and Natural Pozzolans.

Enter the total amount of cementitious' materials from batch ticket for Cement and Blended Cement Here

Target Weight of Cement per C.Y.

Certified Ready Mix

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Wet W Aggre Fine	
.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs
.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	GGBS	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Slag

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

```
CUSTOMER                                          TICKET NO      LOAD NO      PLANT NAME
TAB CONSTRUCTION                                    42632        91964        52
TRUCK        USER LOGIN  DISP TICKET NUM TICKET NUM TICKET ID  TIME       DATE
3317         ERIC              52940751      42632      58787  10:54   08/19/2010
LOAD SIZE    MIX CODE                                           SEQ       LOAD ID
 9.50 yd     102508                                              D          60439
MATERIAL     DESIGN QTY   REQUIRED    BATCHED      VAR    % VAR    %MOISTURE ACTUAL WAT
S47B           2110 lb    20638 lb    20620        -18     -.09%    2.60 M    62.62 gl
L47B            890 lb     8603 lb     8580        -23     -.27%    1.40 M    14.20 gl
CT1PF          564.0 lb   5358.0 lb   5340.0      -18.0    -.34%
AAEDAR          4.75 oz    45.12 oz    46.00       0.88    1.95%
AWRD82          3.00 /C   160.74 oz   159.00      -1.74   -1.08%
WATERG         28.50 gl   174.60 gl   174.96       0.36    0.21%                 174.96 gl
WATERH          0.00 gl #   0.00 gl     0.00       0.00    0.00%
ACALC           0.00 oz #   0.00 oz     0.00       0.00    0.00%
ADARSET         0.00 oz #   0.00 oz     0.00       0.00    0.00%
TEMPER          0.00 gl    11.00 gl    11.00       0.00    0.00%                  11.00 gl
NON-SIMULATED   NUM BATCHES: 1
 LOAD TOTAL: 36105 lb  DESIGN W/C: 0.422  WATER/CEMENT: 0.418T   DESIGN WATER: 2
70.8 gl
 ACTUAL WATER:  262.8 gl   TO ADD:   3.0 gl
 SLUMP:  2.50 "# WATER IN TRUCK:   5.0 gl   A                    0.0 gl /load  TRIM
WATER:    0.0 gl /yd
 LOAD COMPLETED  LOAD TIME:03:00 -----TARES----------------------------------------
AGG SCALE  B: 1 ST:  -40 lb   ET:  -40 lb   CEM SCALE  B: 1 ST:   50 lb   ET:
40 lb
WAT SCALE  B: 1 ST:   -8 lb   ET:   -8 lb
```

Use the total batched weight of cement from here.

PCC Plant and Field Performed Tests

NDOR M&R
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110113

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

lbs
lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	GGBS	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0

Enter the total water added to the mix design at the plant site here. Don't add the water incorporated at the jobsite.

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched
	gal		
	gal		

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

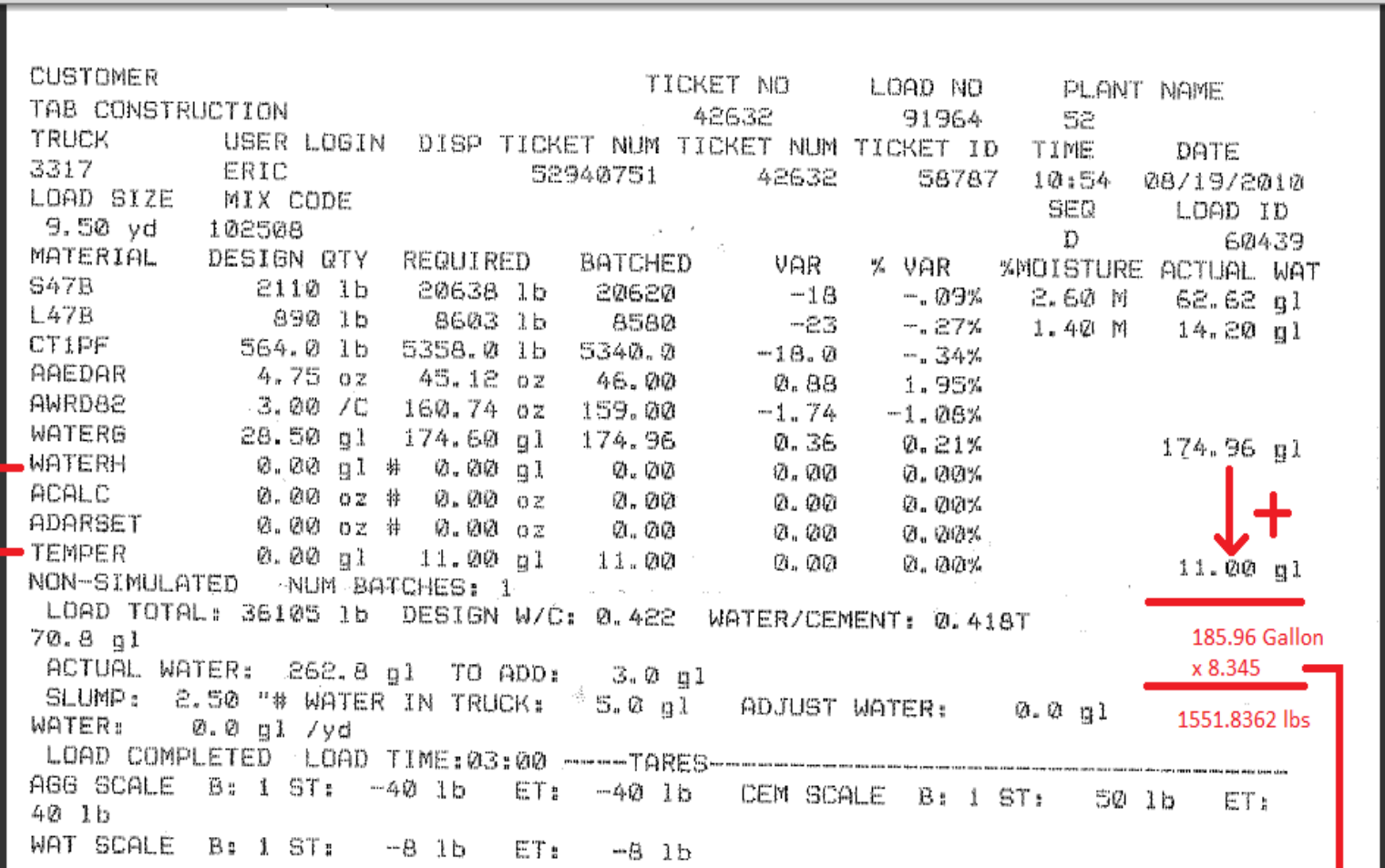
Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket



CUSTOMER
TAB CONSTRUCTION

TICKET NO	LOAD NO	PLANT NAME
42632	91964	52

TRUCK	USER LOGIN	DISP TICKET NUM	TICKET NUM	TICKET ID	TIME	DATE
3317	ERIC	52940751	42632	58787	10:54	08/19/2010

LOAD SIZE	MIX CODE	SEQ	LOAD ID
9.50 yd	102508	D	60439

MATERIAL	DESIGN QTY	REQUIRED	BATCHED	VAR	% VAR	%MOISTURE	ACTUAL WAT
S47B	2110 lb	20638 lb	20620	-18	-.09%	2.60 M	62.62 gl
L47B	890 lb	8603 lb	8580	-23	-.27%	1.40 M	14.20 gl
CT1PF	564.0 lb	5358.0 lb	5340.0	-18.0	-.34%		
AAEDAR	4.75 oz	45.12 oz	46.00	0.88	1.95%		
AWRD82	3.00 /C	160.74 oz	159.00	-1.74	-1.08%		
WATERG	28.50 gl	174.60 gl	174.96	0.36	0.21%		174.96 gl
WATERH	0.00 gl	# 0.00 gl	0.00	0.00	0.00%		+
ACALC	0.00 oz	# 0.00 oz	0.00	0.00	0.00%		
ADARSET	0.00 oz	# 0.00 oz	0.00	0.00	0.00%		
TEMPER	0.00 gl	11.00 gl	11.00	0.00	0.00%		11.00 gl

NON-SIMULATED NUM BATCHES: 1
LOAD TOTAL: 36105 lb DESIGN W/C: 0.422 WATER/CEMENT: 0.418T
70.8 gl
ACTUAL WATER: 262.8 gl TO ADD: 3.0 gl
SLUMP: 2.50 "# WATER IN TRUCK: 5.0 gl ADJUST WATER: 0.0 gl
WATER: 0.0 gl /yd
LOAD COMPLETED LOAD TIME:03:00 -----TARES-----
AGG SCALE B: 1 ST: -40 lb ET: -40 lb CEM SCALE B: 1 ST: 50 lb ET:
40 lb
WAT SCALE B: 1 ST: -8 lb ET: -8 lb

185.96 Gallon
x 8.345
1551.8362 lbs

To get the total water added to the mix, add the water column plus the tempered water.

Not all plant sites batch tickets will include the tempered water on the ticket. If not, watch as the first load is batched and ask the plant site batch operator how much water was tempered into the mix.

To convert Gallons of water to pounds, multiply by 8.345.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	

Enter the wet weight of Fine Aggregate here.

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Wat
	gal				
	gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

```
CUSTOMER                                          TICKET NO      LOAD NO      PLANT NAME
TAB CONSTRUCTION                                    42632         91964        52
TRUCK        USER LOGIN  DISP TICKET NUM TICKET NUM TICKET ID  TIME      DATE
3317         ERIC              52940751      42632      58787  10:54   08/19/2010
LOAD SIZE    MIX CODE                                            SEQ      LOAD ID
 9.50 yd     102508                                               D          60439
MATERIAL     DESIGN QTY   REQUIRED    BATCHED      VAR    % VAR    %MOISTURE ACTUAL WAT
S47B           2110 lb    20638 lb    20620        -18     -.09%    2.60 M    62.62 gl
L47B            890 lb     8603 lb     8580        -23     -.27%    1.40 M    14.20 gl
CT1PF          564.0 lb   5358.0 lb   5340.0      -18.0     -.34%
AAEDAR          4.75 oz     45.12 oz    46.00       0.88    1.95%
AWRD82          3.00 /C    160.74 oz   159.00      -1.74   -1.08%
WATERG         28.50 gl    174.60 gl   174.96       0.36    0.21%                174.96 gl
WATERH          0.00 gl #    0.00 gl     0.00       0.00    0.00%
ACALC           0.00 oz #    0.00 oz     0.00       0.00    0.00%
ADARSET         0.00 oz #    0.00 oz     0.00       0.00    0.00%
TEMPER          0.00 gl     11.00 gl    11.00       0.00    0.00%                 11.00 gl
NON-SIMULATED    NUM BATCHES: 1
 LOAD TOTAL: 36105 lb  DESIGN W/C: 0.422  WATER                    ESIGN WATER: 2
70.8 gl
 ACTUAL WATER:  262.8 gl   TO ADD:   3.0 gl
 SLUMP:  2.50 "# WATER IN TRUCK:   5.0 gl   ADJUST WATER:     0.0 gl /load  TRIM
WATER:    0.0 gl /yd
 LOAD COMPLETED  LOAD TIME:03:00 -----TARES----------------------------------------
AGG SCALE  B: 1 ST:  -40 lb   ET:  -40 lb   CEM SCALE  B: 1 ST:   50 lb   ET:
40 lb
WAT SCALE  B: 1 ST:   -8 lb   ET:   -8 lb
```

Use this number for the weight of the Fine Aggregates.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	Batch Weight / Lbs					Wet Weight	
	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Aggregate Fine	Aggregate Coarse
Target	lbs						
	.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs
	.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs

	Specific Gravity						Free Moisture %	
	Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
	1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
	1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Enter the wet weight of Coarse Aggregate here.

	Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water R
	gal				
	gal				

	Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
	00:00	.00	.00 in	.00 lb		.0 F
	00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

```
CUSTOMER                                          TICKET NO      LOAD NO      PLANT NAME
TAB CONSTRUCTION                                    42632         91964        52
TRUCK        USER LOGIN  DISP TICKET NUM TICKET NUM TICKET ID   TIME       DATE
3317         ERIC              52940751      42632      58787   10:54    08/19/2010
LOAD SIZE    MIX CODE                                            SEQ       LOAD ID
 9.50 yd     102508                                               D          60439
MATERIAL    DESIGN QTY   REQUIRED    BATCHED      VAR    % VAR    %MOISTURE ACTUAL WAT
S47B          2110 lb    20638 lb    20620        -18     -.09%    2.60 M    62.62 gl
L47B           890 lb     8603 lb     8580        -23     -.27%    1.40 M    14.20 gl
CT1PF         564.0 lb   5358.0 lb   5340.0      -18.0    -.34%
AAEDAR         4.75 oz     45.12 oz    46.00       0.88    1.95%
AWRD82         3.00 /C    160.74 oz   159.00      -1.74   -1.08%
WATERG        28.50 gl    174.60 gl   174.96       0.36    0.21%                174.96 gl
WATERH         0.00 gl #    0.00 gl     0.00       0.00    0.00%
ACALC          0.00 oz #    0.00 oz     0.00       0.00    0.00%
ADARSET        0.00 oz #    0.00 oz     0.00       0.00    0.00%
TEMPER         0.00 gl     11.00 gl    11.00       0.00    0.00%                 11.00 gl
NON-SIMULATED   NUM BATCHES: 1
 LOAD TOTAL: 36105 lb  DESIGN W/C: 0.422  WATER/CE                          ESIGN WATER: 2
70.8 gl
 ACTUAL WATER:  262.8 gl   TO ADD:   3.0 gl
 SLUMP:  2.50 "# WATER IN TRUCK:   5.0 gl    ADJUST                    gl /load   TRIM
WATER:    0.0 gl /yd
 LOAD COMPLETED  LOAD TIME:03:00 -----TARES----------------------------------------
AGG SCALE  B: 1 ST:  -40 lb   ET:  -40 lb   CEM SCALE  B: 1 ST:   50 lb   ET:
40 lb
WAT SCALE  B: 1 ST:   -8 lb   ET:   -8 lb
```

Look here for wet weight of the Coarse Aggregates.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Click here to open a drop down menu to select the Portland Cement mill.

Click here to open a drop down list to choose the Mill location and type of Cement used by the plant side.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Enter the Specific Gravity of Cement in this field.
The Specific Gravity of each of the SCM by Producers is listed on the NDOR Approved Product List .

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				

Unit Weight		Calc. Unit Weight	Concrete Temp	
.00	lb		.0	F
.00	lb	0.00	.0	F

ures Per 100 lbs of Cement

Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs						Wet Weight		
	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Aggregate Fine		Aggregate Coarse
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs

Specific Gravity						Free Moisture %	
Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Concrete Temp
00:00	.0	.0 F
00:00	.0	.0 F

Admixtur | Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Enter the Specific Gravities of the Fine and Coarse Aggregate in these field.

Note:
For the Specific Gravities, refer to the gradation verification and quality testing for acceptance completed by NDOR central lab.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Target Weight of Cement per C.Y.
lbs
lbs

Certified Ready Mix Plant Inspector:

Batch Weight / Lbs						Wet Weight		
Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer		Aggregate Fine		Aggregate Coarse
.0	.0	.0	.0	.0	lbs	.0	lbs	.0 lbs
.0	.0	.0	.0	.0	lbs	.0	lbs	.0 lbs

Specific Gravity						Free Moisture %	
Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	
00:00	.00	.00 in	.00 lb	
00:00	.00	.00 in	.00 lb	

Admixtures Per 100 lbs of

Admixture	Qty-oz		

Enter the percentage of free moisture of the Fine and Coarse Aggregates in these fields.

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

CUSTOMER — TICKET NO: 42632 — LOAD NO: 91964 — PLANT NAME: 52

TAB CONSTRUCTION

TRUCK	USER LOGIN	DISP TICKET NUM	TICKET NUM	TICKET ID	TIME	DATE
3317	ERIC	52940751	42632	58787	10:54	08/19/2010

LOAD SIZE	MIX CODE	SEQ	LOAD ID
9.50 yd	102508	D	60439

MATERIAL	DESIGN QTY	REQUIRED	BATCHED	VAR	% VAR	%MOISTURE	ACTUAL WAT
S47B	2110 lb	20638 lb	20620	-18	-.09%	2.60 M	62.62 gl
L47B	890 lb	8603 lb	8580	-23	-.27%	1.40 M	14.20 gl
CT1PF	564.0 lb	5358.0 lb	5340.0	-18.0	-.34%		
AAEDAR	4.75 oz	45.12 oz	46.00	0.88	1.95%		
AWRD82	3.00 /C	160.74 oz	159.00	-1.74	-1.08%		
WATERG	28.50 gl	174.60 gl	174.96	0.36	0.21%		
WATERH	0.00 gl #	0.00 gl	0.00	0.00	0.00%		
ACALC	0.00 oz #	0.00 oz	0.00	0.00	0.00%		
ADARSET	0.00 oz #	0.00 oz	0.00	0.00	0.00%		
TEMPER	0.00 gl	11.00 gl	11.00	0.00	0.00%		

Some Batch tickets have the Percent of Free Moisture already included in the calculations

NON-SIMULATED NUM BATCHES: 1

LOAD TOTAL: 36105 lb DESIGN W/C: 0.422 WATER/CEMENT: 0.418T DESIGN WATER: 270.8 gl

ACTUAL WATER: 262.8 gl TO ADD: 3.0 gl

SLUMP: 2.50 "# WATER IN TRUCK: 5.0 gl ADJUST WATER: 0.0 gl /load TRIM WATER: 0.0 gl /yd

LOAD COMPLETED LOAD TIME:03:00 -----TARES----------

AGG SCALE B: 1 ST: -40 lb ET: -40 lb CEM SCALE B: 1 ST: 50 lb ET: 40 lb

WAT SCALE B: 1 ST: -8 lb ET: -8 lb

To figure the percentage of Free Moisture (FM) – take the Wet Weight (Ww) of the Aggregates minus the Dried Weight (Dw) of Aggregate divided by the Dried Weight (Dw) and then multiply the answer by 100 to get a percentage.

FM = (Ww - Dw) / Dw x 100

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs

	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
	.0	.0	.0	.0	.0	lbs
	.0	.0	.0	.0	.0	lbs

Wet Weight

	Aggregate Fine		Aggregate Coarse	
	.0	lbs	.0	lbs
	.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Enter any water that was added at the jobsite in this location

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Enter the time these tests were performed. Use military time.

Admixtures Per 100 lbs of Cement

Qty-oz	Admixture	Qty-oz

	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Qty-oz	Admixture	Qty-oz

Enter the entrained Air content (%) that was recorded on the jobsite in this field.

	up	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required

Use these drop down fields to select the different admixtures types that were used in the concrete.

Method of Cure

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs						Wet Weight		
	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Aggregate Fine		Aggregate Coarse	
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs	
	.0	.0	.0	.0	.0 lbs	.0 lbs		.0 lbs	

Specific Gravity						Free Moisture %	
Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required

Place the quantity of admixtures added in ounces (oz) per 100 lbs of cement.

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Example of Batch ticket

```
CUSTOMER                                          TICKET NO      LOAD NO      PLANT NAME
TAB CONSTRUCTION                                    42632         91964        52
TRUCK        USER LOGIN  DISP TICKET NUM TICKET NUM TICKET ID  TIME      DATE
3317         ERIC              52940751      42632      58787  10:54   08/19/2010
LOAD SIZE    MIX CODE                                           SEQ       LOAD ID
 9.50 yd     102508                                              D          60439
MATERIAL    DESIGN QTY   REQUIRED    BATCHED      VAR    % VAR    %MOISTURE ACTUAL WAT
S47B          2110 lb    20638 lb    20620        -18    -.09%    2.60 M    62.62 gl
L47B           890 lb     8603 lb     8580        -23    -.27%    1.40 M    14.20 gl
CT1PF        564.0 lb    5358.0 lb   5340.0      -18.0    -.34%
AAEDAR Air Entrain. 4.75 oz   45.12 oz    46.00      0.88    1.95%
AWRD82 Type A  3.00 /C   160.74 oz   159.00      -1.74   -1.08%
WATERG        28.50 gl    174.60 gl   174.96       0.36    0.21%              174.96 gl
WATERH         0.00 gl #    0.00 gl     0.00       0.00    0.00%
ACALC          0.00 oz #    0.00 oz     0.00       0.00    0.00%
ADARSET        0.00 oz #    0.00 oz     0.00       0.00    0.00%
TEMPER         0.00 gl     11.00 gl    11.00       0.00    0.00%              11.00 gl
NON-SIMULATED    NUM BATCHES: 1
 LOAD TOTAL: 36105 lb  DESIGN W/C: 0.422  WATER/CEMENT: 0.418T   DESIGN WATER: 2
70.8 gl
 ACTUAL WATER:  262.8 gl   TO ADD:    3.0 gl
 SLUMP:  2.50 "# WATER IN TRUCK:    5.0 gl   ADJUST WATER:     0.0 gl /load   TRIM
WATER:    0.0 gl /yd
 LOAD COMPLETED  LOAD TIME:03:00 ------TARES-----------------------------------
AGG SCALE  B: 1 ST:   -40 lb   ET:   -40 lb   CEM SCALE  B: 1 ST:    50 lb   ET:
40 lb
WAT SCALE  B: 1 ST:    -8 lb   ET:    -8 lb
```

46.0 oz (Air Entain.) / 5340 lbs (Cement) =
0.008614232 x 100 (per 100 lbs of Cement) =
.8614232 = .9 Qty – Oz

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

Record the Admixture Product Names in these fields. For questions concerning Admixture Type, refer to the Approved Products List.

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Describe how the concrete was used. Be specific.(i.e. Abutment @ Sta. 1+00)

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure

Comments:

Refer to the Standard Specifications and Special Provisions to determine the group number.

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Refer to the placement dimensions to calculate the required concrete quantity. Report all concrete quantities in cubic yards, regardless if the project is an English or metric job

Method of Cure

Work Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.	Batch Weight / Lbs					Wet Weight	
	Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	Aggregate Fine	Aggregate Coarse
lbs	.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs
lbs	.0	.0	.0	.0	.0 lbs	.0 lbs	.0 lbs

Specific Gravity						Free Moisture %	
Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0
1.00	1.00	1.00	1.00	1.00	1.00	.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Enter the total amount of concrete placed. Report all concrete quantities in cubic yards, regardless if the project is an English or metric job

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Use these fields to indicate how many yards of concrete were left unused (extra left after pours, any rejected loads, etc.) Report all concrete quantities in cubic yards, regardless if the project is an English or metric job

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

educer &

educer, High

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Refer to the Standard Specifications, Special Provisions, project plans, and/or line item to find the required PSI denoted for this placement.

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Record the beginning and ending stationing of that day's placement.

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Type F - Water Reducer, High Range

Type G - Water Reducer, High Range, & Retarder

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.
lbs
lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job	Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
gal				
gal				

Time	% Air	Slump	Unit Weight	Calc. Unit Weight	Concrete Temp
00:00	.00	.00 in	.00 lb		.0 F
00:00	.00	.00 in	.00 lb	0.00	.0 F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required	Used	Wasted	Required PSI
		.0 CY	.0	.0	
		.0 CY	.0	.0	

Stationing (Required)

Method of Cure
Work
Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Work: Record the method of cure used for the concrete placed .

Cylinders: Record the method of cure used for the cylinders representing the placed concrete (cure box, moisture room, etc)

PCC Plant and Field Performed Tests

NDOR MR
Wallace Heyen, Portland Cement Concrete Engineer

Template: PCX002001
Version: 20110727

Certified Ready Mix Plant Inspector:

Target Weight of Cement per C.Y.

	lbs
	lbs

Batch Weight / Lbs

Cement	Fly Ash	Silica Fume	Other SCM	Water at Mixer	
.0	.0	.0	.0	.0	lbs
.0	.0	.0	.0	.0	lbs

Wet Weight

Aggregate Fine		Aggregate Coarse	
.0	lbs	.0	lbs
.0	lbs	.0	lbs

Specific Gravity

Cement	Fly Ash	Silica Fume	Other SCM	Aggregate Fine	Aggregate Coarse
1.00	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00

Free Moisture %

Aggregate Fine	Aggregate Coarse
.0	.0
.0	.0

Water at Job		Cubic Yards of Concrete	Cement Per C.Y.s Batched	% of Required Cement	Water/Cement Ratio
	gal				
	gal				

Time	% Air	Slump		Unit Weight		Calc. Unit Weight	Concrete Temp	
00:00	.00	.00	in	.00	lb		.0	F
00:00	.00	.00	in	.00	lb	0.00	.0	F

Admixtures Per 100 lbs of Cement

Admixture	Qty-oz	Admixture	Qty-oz

Concrete Structure	Group	Required		Used	Wasted	Required PSI
		.0	CY	.0	.0	
		.0	CY	.0	.0	

Stationing (Required)

Method of Cure — Work

Cylinders

Comments:

Portland Cement

Mill Location and Type

Fly Ash

Plant Location and Class

Silica Fume

Other SCM

Admixture Product Names

Air Entraining Agent

Type A - Water Reducer

Type B - Retarder

Type C - Accelerator

Type D - Water Reducer & Retarder

Type E - Water Reducer & Accelerator

Use these fields to provide any additional comments or information in regards to the pour.

SiteManager Instructions for *Portland* Cement Concrete *Plant* & Field Inspection