

PCC MIX DESIGN USER GUIDE

Home Previous My Pages TEST ENVIRONMENT **Verify Role.** Actions Help Log off

Switch Role x

- Brent Slade
- ADMIN
- CONSTRINSP_KS
- CONTRACTS_KS
- CONTRACTS_KS_NONC
- EXTERNALBIDDER
- EXTERNALPRIMEPAYROLL
- EXTERNALSUBPAYMENT
- EXTERNALSUBPAYROLL
- KDOT_CONTRACTS
- KDOT_LABORUSER
- ✓ MATERIALUSER_KS
- OCC
- PROJMAN_KS_AREA
- PROJMAN_KS_BUREAU
- PROJMAN_KS_CO
- PROJMAN_KS_DISTRICT
- PROJMAN_KS_FHWA
- Receive Sample at Destination Lab
- Receive Sample at Lab Unit
- Review Samples
- Review Tests

Construction Person Overview Reference Data

User (Copied from MATERIALUSER)

Construction

- Change Order
- Contract Administration
- Contract Claims
- Contract Permits
- Contract Progress
- Contract Specific Authorities
- Contract Time
- Contract Vendor Assets
- Contractor Evaluation
- Meetings
- Payment Estimate Accounting
- Payment Estimate Approval Decisions
- Payment Estimates

Person Overview Save

Qualifications User Reference Employee

No Filter No Filter No Filter

0 marked for deletion | 0 changed

Enter search criteria above to see results or Show first 10

Reference Data

- Administrative Offices
- Alternate Test Workflow
- Code Tables

On this page: Materials Materials Worksheets Construction Person Overview Reference Data

PROJECT KDOT role for Materials User (Copied from MATERIALUSER)

- Materials
 - Acceptance Actions
 - Action Relationships
 - Daily Source Reports
 - Find Sample
 - Mix Design
 - Product Group Sample Reviewer Assignment
 - Sample Records

Click "Mix Design".

- Materials Worksheets
 - Enter Test Results
 - Maintain Test Queue
 - Receive Sample at Destination Lab
 - Receive Sample at Lab Unit
 - Review Samples
 - Review Tests

- Construction
 - Change Order
 - Contract Administration
 - Contract Claims
 - Contract Permits
 - Contract Progress
 - Contract Specific Authorities
 - Contract Time
 - Contract Vendor Assets
 - Contractor Evaluation
 - Meetings
 - Payment Estimate Accounting
 - Payment Estimate Approval Decisions
 - Payment Estimates

Person Overview Save

0 marked for deletion | 0 changed

Enter search criteria above to see results of Show first 10

- Reference Data
 - Administrative Offices
 - Alternate Test Workflow
 - Code Tables

Mix Design Overview

▼ Mix Design Overview Save ?

Q Type search criteria or press Enter System Default ▼

2. Click "Add".

Actions ×
Add

0 marked for deletion | 0 changed

Enter search criteria above to see results or Show first 10

Overview

1. Enter the Mix Design ID.

Add MIX Design

▼ Add Mix Design

7. Click "Save".

Save

Mix Design ID*

Up to 40 characters

type

2. Select "PCC Mix Design" from the drop down.

Approval Date

Approved By

Description

Effective Date

5. Enter the Effective Date.

Material*

3. Enter the Material Code for the mix.

Expiration Date

Source*

4. Enter the Source for the mix.

Status

6. Select "Active" from the drop down.

Facility

▼ Remarks

Type*

Remark*

Overview

Mix Design Summary

Save Complete

▼ Mix Design: 5P21014Z

1. Click the component action button.

General

Component Materials

Contracts

Specifications

SMFMI

Mix Design ID *

5P21014Z

Mix Design Type

PCC Design Mix - PCC Design Mix Design

Description

Material *

PCCQCMainline
PCCP Mainline QC/QA

Source *

00607502
CMC #355 (WICHITA PLANT)

Remarks

0

Approval Date

Approved By

Begin typing to search or press Enter

07/23/2021

Expiration Date

Status

ACTIVE - Active

Active

Yes

Actions

Add New Mix Design

Add New SMFMI

Copy

Views

Attachments

Issues

Links

PCC Design Mix

2. Click "PCC Mix Design".

▼ Remarks

Type *

Remark *

1. Enter the information about the mix.

Home Previous My Pages TEST ENVIRONMENT Actions Help Log off

Mix Design Agency View Summary PCC Mix Design

New

Mix Design ID: 5P21014Z Mix ID Name: PCCP Mainline QS/QA

Max W/C Design W/C Minimum CF Design CF % Air Water Source:

*** Aggregate Material ***

Source ID Name	Sp. Gravity	% Blend	Wt. Wt.
Begin typing to search or press Enter			
Begin typing to search or press Enter			
Begin typing to search or press Enter			
Begin typing to search or press Enter			

*** Cementitious Material ***

Source ID Name	Sp. Gravity	% Blend
Begin typing to search or press Enter		
Begin typing to search or press Enter		
Begin typing to search or press Enter		

* Air Entraining | Admixture Material *

Source ID Name	oz / cy
Begin typing to search or press Enter	
Begin typing to search or press Enter	
Begin typing to search or press Enter	
Begin typing to search or press Enter	

**** Batch Weights | Lbs Per Cubic Yard ****

Cement 1:	Aggregate 1:	Wt. for One Cu Yd:
Cement 2:	Aggregate 2:	Concrete Unit Wt: 0
Cement 3:	Aggregate 3:	Air Free Unit Wt: 0
Total Free Water:	Aggregate 4:	

Ctr's Avg. Comp Strength Rapid Chloride Boil Resitivity ASTM C1567

Remarks:

0 added 0 changed Save ?

6. Click "Save".

2. Enter the information for each aggregate in the mix.

3. Enter the information for each cementitious material in the mix.

4. Enter the information for each of the Air Entraining/Admixtures in the mix.

5. Enter data for the mix.

7. Click "Mix Design".

Pages 8 thru 12 are for copying the mix design.

Overview

Mix Design Summary

▼ Mix Design: 5P21014Z **1. Click the component action button.**

- General
- Component Materials
- Contracts
- Specifications
- SMFMI

Mix Design ID *
5P21014Z

Mix Design Type
PCC Design Mix - PCC Design Mix Design

Description
TESTING BWS

Material *
PCCQCMainline
PCCP Mainline QC/QA

Source *
00607502
CMC #355 (WICHITA PLANT)

Remarks
0

Approved By
Begin typing to search or press Enter

Effective Date
07/23/2021

Expiration Date

Status
ACTIVE - Active

Active
Yes

2. Click "Copy".

- Actions
- Add New Mix Design
- Add New SMFMI
- Copy
- Views
- Attachments
- Issues
- Links
- PCC Design Mix

▼ Remarks

Type *	Remark *

Overview

Copy Mix Design

▼ Copy Mix Design 2. Click "Copy". Copy ?

Mix Design ID *

5P21014Z ←
Up to 40 characters

1. Change the letter designation at the end of the mix design.

Overview

Mix Design Summary

Mix Design 5P21014Y - TESTING BWS Successfully Saved

▼ Mix Design: 5P21014Y

3. Click "Save".

Save ?

General

Component Materials

Contracts

Specifications

SMFMI

Mix Design ID *

5P21014Y

Up to 40 characters
mix design type

PCC Design Mix - PCC Design Mix Design

Description

TESTING BWS

Material *

PCCQCMainline

PCCP Mainline QC/QA

Source *

00607502

CMC #355 (WICHITA PLANT)

Remarks

0

Approval Date

Approved By

Begin typing to search or press Enter

Effective Date

Expiration Date

Status

Active

No

1. Enter the Effective Date for the mix design.

2. Select "Active" from the drop down.

▼ Remarks

Type *

Remark *

Overview

Mix Design Summary

Save Complete

▼ Mix Design: 5P21014Y **1. Click the component action button.** Save ?

- General
- Component Materials
- Contracts
- Specifications
- SMFMI

Mix Design ID *
5P21014Y

Mix Design Type
PCC Design Mix - PCC Design Mix Design

Description
TESTING BWS

Material *
PCCQCMainline
PCCP Mainline QC/QA

Source *
00607502
CMC #355 (WICHITA PLANT)

Remarks
0

Approval Date
07/23/2021

Approved By
Begin typing to search or press Enter

Expiration Date

Status
ACTIVE - Active

Active
Yes

2. Click "PCC Design Mix".

- Actions**
- Add New Mix Design
 - Add New SMFMI
 - Copy
- Views**
- Attachments
 - Issues
 - Links
 - PCC Design Mix

▼ Remarks

Type *	Remark *

Mix Design ← 2. Click "Mix Design".

Agency View Summary

▼ PCC Mix Design Save 0 added 0 changed

New

Mix Design ID: 5P21014Z

Max W/C: 0.45 Design W/C: 0.42 Minimum CF: 517 Design CF: 525 % Air: 6.50 Water Source: City of Wichita

Aggregate Material	Source ID Name	Sp. Gravity	% Blend	W1 Wt.
AGGFAS_FA-A (SSG) Fine Agg PCC FA-A - Sand-Sand/Gravel	00820103 CORNEJO INC. (KINGSBURY SAND) (SEDGWICK, CO)	2.62	44.00	
AGGOGC_CPA-4 On-Grade Coarse Aggregate for Concrete CPA-4	00801722 MIDWEST MINERALS INC (NEODESHA QUARRY) (WILSON CO)	2.63	56.00	
Begin typing to search or press Enter	Begin typing to search or press Enter			
Begin typing to search or press Enter	Begin typing to search or press Enter			

Cementitious Material	Source ID Name	Sp. Gravity	% Blend
161060100 PORTLAND CEMENT TYPE III (MH) (BULK/BAG)	00003001 ASH GROVE CEMENT CO	3.15	75.00
164010000 FLY ASH FOR CONCRETE/CLASS C	00018903 Everbry, Inc	2.84	25.00
Begin typing to search or press Enter	Begin typing to search or press Enter		

Air Entraining Admixture Material	Source ID Name	oz / cy
041000000 AIR-ENTRAINING ADMIXTURE FOR PCC	00077701 MAPEI Corporation	6.00
04201000A TYPE-A (WATER REDUCING ADMIXTURE)FOR PCC	00077701 MAPEI Corporation	31.50
Begin typing to search or press Enter	Begin typing to search or press Enter	
Begin typing to search or press Enter	Begin typing to search or press Enter	

**** Batch Weights | Lbs Per Cubic Yard ****

Cement 1:	394	Aggregate 1:	1363	Wt. for One Cu Yd:	3642
Cement 2:	131	Aggregate 2:	1734	Concrete Unit Wt:	142.3
Cement 3:		Aggregate 3:		Air Free Unit Wt:	152.19
Total Free Water:	220	Aggregate 4:			

Ctr's Avg. Comp Strength: 5250.00 Rapid Chloride: 1814.00 Boil: Resitivity: ASTM C1567: Pass

1. Change any information for the new mix design and then click "Save".

Overview

Mix Design Summary

▼ Mix Design: 5P21014Y 3. Click "Save".

- General
- Component Materials
- Contracts
- Specifications
- SMFMI

Mix Design ID *
5P21014Y

Up to 40 characters
mix design type

PCC Design Mix - PCC Design Mix Design

Description

TESTING BWS

Material *

PCCQCMainline
PCCP Mainline QC/QA

Source *

00607502
CMC #355 (WICHITA PLANT)

Remarks

0

Approval Date

Approved By

Effective Date

07/23/2021

Expiration Date

Status

ACTIVE - Active

Active

Yes

1. Once you are done with copying/ editing the mix designs, Enter the Approval Date.

2. Enter who approved the mix design.

▼ Remarks

Type *

Remark *