MATT MENU SELECTION - 30

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

# PORTLAND CEMENT CONCRETE MIX DESIGN

DOTD 03-22-0735
Metric/English
Rev. 7/98

**Metric / English** ___ (M / E) *Located on MATT Menu*

**Project No.** ____ **Material Use** ___ *P = Pavement S = Structural* **Plant Code** C ____ **Material Code** ____

Type / Class ____ Plant Name ____ **Mix Design No.** ____ Slip Form Paving ___ *Y = Yes N= No*

Mixing Method ___ *1=Truck Mixer, 2=Central Mixer, 3=Site Mixer* Parish ____ Proj.Name ____ F.A.P. ____

## Materials

| | Source Code | Company Name | Location | Mat.Code | Alk. React. *Y = Yes N = No* | Spec. Grav. | Absorp. Factor | Product Name |
|---|---|---|---|---|---|---|---|---|
| Cement | | | | | | . | | |
| Fly Ash | | | | | | . | | |
| Slag | | | | | | . | | |
| Fine Aggregate | | | | | | . | . | |
| Coarse Aggr. 1 | | | | | | . | . | |
| Coarse Aggr. 2 | | | | | | . | . | |
| Water Reducer | | | Normal Set ___ *Y = Yes N = No* | Set Retarder ___ *Y = Yes N = No* | | | | |
| Air Entrainer | | | | | | | | |
| Set Accelerator | | | Chloride ___ *Y = Yes N = No* | Non-Chloride ___ *Y = Yes N = No* | | | | |
| Superplasticizer | | | | | | | | |
| Special Additive A | | | | | | . | | |
| Special Additive B | | | | | | . | | |
| Special Additive C | | | | | | . | | |

Mixing Water: ___ *1 = City, 2 = Well, 3 = Other* ____

## Mix Proportions For One Cubic Meter (Cubic Yard) of Concrete

| | | Units | UNIT |
|---|---|---|---|
| Cement | | kg (lb) | |
| Fly Ash | | kg (lb) | |
| Slag | | kg (lb) | |
| Fine Aggregate (SSD) | | kg (lb) | |
| Coarse Aggregate 1 (SSD) | | kg (lb) | |
| Coarse Aggregate 2 (SSD) | | kg (lb) | |
| Water | | L (gal) | |
| Water Reducer | | mL (oz) | |
| Air Entrainer | | mL (oz) | kg, L, mL |
| Set Accelerator | | mL (oz) | (lb, gal, oz) |
| Superplasticizer | | mL (oz) | |
| Special Additive A | | | |
| Special Additive B | | | |
| Special Additive C | | | |

**Contractor** ____

**Certified Concrete Technician** ____ ____ Code

**Date Submitted** __-__-__

## Departmental Use

| | | |
|---|---|---|
| **Yield** | | $m^3$ (cu ft) |
| **Cement Factor** | | $kg/m^3$ (bag/cu yd) |
| **Fly Ash** | | % By Mass (Wt) |
| **Slag** | | % By Mass ( Wt) |
| **Water-Cement Ratio** | | $L/m^3$ (gal/bag) |
| **Water-Cement Ratio** | . | By Mass (Wt) |
| **Cement with 0.6% or less Alkalies required** | | *Y = Yes N = No* |

**Date Received** __-__-__ **ACCEPTED** ☐ **REJECTED** ☐

____ **District Laboratory Engineer** ____ **Code** __-__-__ **Date**

*Acceptance based on mix proposal meeting spec. requirements for yield, cement factor, water-cement ratio, materials sources, cement type, admixture types, special additive, MATT codes & results of trial batches*

Remarks ____