

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
**PORTLAND CEMENT CONCRETE MIX DESIGN**

DOTD 03-22-0735  
 REV 02/19

Project No.: \_\_\_\_\_ Material Use: \_\_\_\_\_ Plant Code: \_\_\_\_\_ Material Code \_\_\_\_\_  
 (P=Pavement/S=Structural)  
 Type/Class: \_\_\_\_\_ Plant Name: \_\_\_\_\_ Mix Design No.: \_\_\_\_\_ Slip Form Paving? \_\_\_\_\_  
 (Yes or No)  
 Mixing Method: \_\_\_\_\_ 1=Truck Mixer, 2=Central Mixer, 3=Site Mixer Parish: \_\_\_\_\_ Project Name: \_\_\_\_\_ F.A.P. \_\_\_\_\_

**Materials**

Source Code	Company Name	Location	Mat. Code	Alk. React Y=Yes N=No	Spec Gravity	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	_____	Chloride	Y=Yes/N=No	Non-Chloride	Y=Yes/N=No	_____	_____
Set Accelerator	_____	_____	_____	_____	_____	_____	_____
Superplasticizer	_____	_____	_____	_____	_____	_____	_____
Special Additive A	_____	_____	_____	_____	_____	_____	_____
Special Additive B	_____	_____	_____	_____	_____	_____	_____
Special Additive C	_____	_____	_____	_____	_____	_____	_____
Mixing Water	_____	1=City, 2= Well, 3=Other	_____	_____	_____	_____	_____

Mix Proportions for One Cubic Yard of Concrete	Departmental Use
Cement _____ lb.	Yield _____ Cu. ft.
Fly Ash _____ lb.	Cement Factor _____ Bag/cu. yd.
Slag _____ lb.	Fly Ash _____ % By Mass (Wt.)
Fine Aggregate (SSD) _____ lb.	Slag _____ % By Mass (Wt.)
Coarse Aggr. 1 (SSD) _____ lb.	Water-Cement Ratio _____ Gal./bag
Coarse Aggr. 2 (SSD) _____ lb.	Water-Cement Ratio _____ By Mass (Wt.)
Water _____ gal.	Cement with 0.6% or less Alkalies required _____ Y = Yes/N = No
Water Reducer _____ oz.	Date Received _____ Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>
Air Entrainer _____ oz.	
Set Accelerator _____ oz.	
Superplasticizer _____ oz.	
Special Additive A _____	
Special Additive B _____	
Special Additive C _____	
<b>Contractor</b> _____	District Laboratory Engineer _____ Code _____ Date _____
<b>Certified Concrete Technician</b> _____ (Code)	
<b>Date Submitted</b> _____	

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

Remarks \_\_\_\_\_