

Producer's Mix ID									
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**North Carolina Department of Transportation, Division of Highways, Materials and Tests Unit
Statement of Concrete Mix Design and Source of Materials**

Class of Concrete		Concrete Producer Name	
Vibrated (Yes or No)		NCDOT Plant No.	
Air Entrained (Yes or No)		Date Requested	
Reference Mix Design No.		7/28 Day Break Data (psi)	

Mix Design Proportions Based on SSD Mass of Aggregates

Material	Producer	Source	Qty. per Cu. Yd.
Cement			lbs.
Pozzolan			lbs.
Other Pozzolan			lbs.
Fine Aggregate			lbs.
Other Fine Aggregate			lbs.
Coarse Aggregate			lbs.
Other Coarse Aggregate			lbs.
Total Water			gals.
Material	Producer	Admixture Brand	Qty. per Cu. Yd.
Air Entraining Agent			As Recomm.
Retarding Agent			As Recomm.
Water Reducing Agent			As Recomm.
Superplasticizer			As Recomm.
Corrosion Inhibitor			gals.
Latex Modifier			gals.
Non-Chloride Accelerator*			As Recomm.
Other*			As Recomm.

*Non-Chloride Accelerator and Other admixtures are only permitted on a case by case basis when required by the contract

Mix Properties and Specifications

Slump (inches)		Mortar Content (ft ³)	
Max W/C Ratio		Air Content (%)	
Max. Water (gals)		Design Volume (ft ³)	27

Aggregate and Cementitious Data

Material	Type / Size	Coarse Agg. Shape	Specific Gravity	% Absorption	Unit Mass	Fineness Modulus
Fine Aggregate		n/a			n/a	
Other Fine Aggregate		n/a			n/a	
Coarse Aggregate						n/a
Other Coarse Aggregate						n/a
Pozzolan		n/a		n/a	n/a	n/a
Other Pozzolan		n/a		n/a	n/a	n/a
Cement		n/a	3.15	n/a	n/a	n/a

Cast-in-place concrete shall conform to Section 1000, precast concrete to Section 1077, and prestressed concrete to Section 1078 of the applicable edition of the Standard Specifications for Roads and Structures plus all applicable Special Provisions.

Special Use Criteria: Is mix design governed by Special Provision/Plan Note? **YES or NO** _____
 If **Yes** submit copy of Special Provision or Plan Note with this Form.

Name, Title, and Signature of person who designed mix _____

NCDOT Mix Design Certification No. _____ **Or PE stamp or No.** _____

Comments: