

North Carolina Department of Transportation, Division of Highways, Materials and Tests Unit Statement of Concrete Mix Design and Source of Materials

Project 8.2446902	Concrete Producer HOME CONCRETE INC
County TRANSYLVANIA	Plant Location & DOT No. CHERRYFIELD, NC -69
Resident Engr. DRACK COUNT	Contractor BLOOD CONSTRUCTION CO
Class of Concrete CLASS AA	Date AUGUST 27, 2003
Mix Design No. 0692V03333FFE	Contractor's Signature
Note Mix Design Units (US or Metric) ENG	

Mix Design Proportions Based on SSD Mass of Aggregates

Material	Producer	Source	Qty. per Cu. Yd.
Cement, Type	GIANT	HARLEYVILLE, SC	650 lbs.
Pozzolan			
Fine Agg., + M	FRANK-N-STIEN	PUMPKINGTOWN, SC	1154 lbs.
Coarse Agg., + M	DARKTOWN STONE	BREVARD, NC	1800 lbs.
Other Agg., + M			
Total Water		CITY	32.0 gals.
Air. Entr. Agent	W.R.GRACE & CO.	DARAVAIR AT60	3.0 oz.
Retarder	W.R.GRACE & CO.	DARATARD 17	22.0 (OZ/100#) oz.
Water Reducer			
Superplasticizer			
Other			
Other			

Mix Properties and Specifications

Slump	<u>3.50</u> in.	Mortar Content	<u>16.20</u> cu. ft.
Max. Water	<u>33.2</u> gals.	Air Content	<u>6.0</u> %

Aggregate and Pozzolan Data

Material	Specific Gravity	% Absorption	Unit Mass	Fineness Modulus
Material Fine Agg. Type (2S or 2MS)	2.64	0.4	NA	2.70
Coarse Agg., Size (No. 57, 67, or 78M)	2.67	0.6	97.5	NA
Other Agg., Type or Size				
Pozzolan		NA	NA	NA

Cast-in-place concrete shall conform to Section 1000, precast concrete to Section 1077, and prestressed concrete to Section 1078 of the 1995 Standard Specifications for Roads and Structures plus all applicable Special Provisions.

Accepted By _____ (Physical Testing Engineer)

Date _____
M&T Form 903