

C35-NA Big City Pool & Play Ground	Design PSI (f'_c):	9000
	Design Slump:	3-4"
	Location:	East Greenwich
	Placement Method:	Bucket

		Abs. Vol				
Cementitious Materials:		M ³	% Cmt	Admixture	mL/M ³	mL/100kg
Portland Type II	208 kg	0.066	66.7%	Water Reducer	1,015	326
F Ash	44 kg	0.017	14.3%	AEA	135	43
GGBFS - Slag Cement	59 kg	0.020	19.0%			
-	-	-	-			
Total Cementitious:	311 kg	0.104				
Aggregates:			% Agg			
ACI - 1. 1/2	645 kg	0.243	36.5%			
3/8" Stone	378 kg	0.142	21.2%			
ACI Fine Agg	750 kg	0.282	42.3%			
-	-	0.000		Sieve Sizes	% retained	% Passing
-	-	0.000		3.0"	0.00	100.00
-	-	0.000		2.5"	0.00	100.00
Design Air	6.00 %	0.060		2.0"	0.00	100.00
Design Water:	169 kg	0.1691		1.5"	0.00	100.00
-				1.0"	0.73	99.27
Total:	2253 kg	1.00 M		3/4"	6.57	92.70
				1/2"	18.97	73.73
Paste Fraction	0.543			3/8"	9.85	63.88
Paste Fraction	33.3%			No.4	17.86	46.03
Mortar Fraction	60.2%			No.8	5.63	40.40
Air Vol/ (Cementitious + Water)	21.98%			No.16	7.25	33.15
Sand / Agg Ratio	42%			No.30	11.58	21.57
Workability Factor (fines)	40.4			No.50	16.16	5.41
Coarseness Factor	60.6			No.100	4.90	0.51
w-Adjust	39.4			No.200	0.08	0.42
Vol of Total Water / Vol of Cm Ratio	0.61			Pan	0.42	0.00
				Sum:	100.0	FM= 4.96