Patterson Concrete	Big City Pool & Play Ground	C35-NA			01/01/24
Cementitious:		Weight	SG	Volume (lbs/ft^3)	
Portland Type II	Lehigh Cement	350	3.15	1.78	
F Ash	ABC Ash	75	2.55	0.47	
GGBFS - Slag Cement	Cape Slag	100	2.9	0.55	
-	-	-	-	-	Aggregate %
Aggregates					Absorption
ACI - 1. 1/2	Farm Hills Quarry	1087	2.65	6.57	0.50
3/8" Stone	Red Rock Quary	637	2.67	3.82	0.80
ACI Fine Agg	Butler Rock Quarry	1264	2.66	7.61	0.70
-	-	-	-	-	-
-	-	-	-	-	-
Design Water		285.0	1.00	4.57	
Air Content		6.00 %		1.62	
	Totals:	3797	lbs / yd^3	27.00	Cuft^3

Admixture:	Oz/yd	Oz/Cwt	Water / Cementitious	0.543	
Water Reducer	26.25	5.00	Design Density	140.64	lbs/ft^3
AEA	3.50	0.67			
	0.00	-			
	0.00	-			
	0.00	-	**Fiber / Color:**	Amount	Volume
	0.00	-	0	0.00	

	% Passing Each Sieve					Combined	% Retained	
Sieve Size	Agg #1	Agg #2	Agg #3	Agg #4	Agg #5	% Passing	Cum	Indiv
3.0"	100	100	100	-	-	0.0	0.0	0.0
2.5"	100	100	100	-	-	100.0	0.0	0.0
2.0"	100	100	100	-	-	100.0	0.0	0.0
1.5"	100	100	100	-	-	100.0	0.0	0.0
1.0"	98	100	100	-	-	99.3	0.7	0.7
3/4"	80	100	100	-	-	92.7	7.3	6.6
1/2"	28	100	100	-	-	73.7	26.3	19.0
3/8"	8	88	100	-	-	63.9	36.1	9.8
No.4	2	16	99.1	-	-	46.0	54.0	17.9
No.8	1.3	14	87.4	-	-	40.4	59.6	5.6
No.16	0.9	13	71.1	-	-	33.1	66.9	7.3
No.30	0	8	47	-	-	21.6	78.4	11.6
No.50	0	0	12.8	-	-	5.4	94.6	16.2
No.100	0	0	1.2	-	-	0.5	99.5	4.9
No.200	0	0	1	-	-	0.4	99.6	0.1
							Pan	0.4

Coarseness Factor =	Combined % cumulative retained 3/8" sieve / Combined % cumulative retained #8 sieve	60.60
Workability Factor (WF) =	Combined % passing #8	40.4
Adj-Workability Factor =	WF + [(Cementitious Material - 564) / 37.6]	39.4
Allowable Adj-WF =	Adj - WF = [(11.25-0.15CF)+35.5] ± 2.5	40.2 High / 35.2 Low