SCDOT Concrete Technician Certification

Form 700.04 Tutorial



Form 700.04 is a comprehensive form, which includes:

- Specifications
- Math calculations, such as percentage
- Moisture Adjustment
- Saturated Surface Dry (SSD)
- Specific Gravity
- Etc.



SCDOT Form 700.04

- Form 700.04 is the reporting form for *ready mix* concrete batches. It is used for QC/QA purposes in recording and monitoring:
 - concrete origin, load, placing, time on site and mixing information
 - concrete slump and air content
 - actual concrete mix versus design proportions
 - water and admixture proportions and history

Form 700.04 is published by the SCDOT Office of Materials and Research in Columbia, SC. For more information, contact:

Aly Hussein at (803) 737-6687

Jim McCabe at (803) 737-6689

Form 700.04 Unique ID:				F	READ	Y MIX	соис	RETE	REPO	RT				G	2		
Status:						Date											
File No:		Load No:				Cubic	Yards:		Cumula	tive (CY:			Proje	ect No:		
Class:		Date and Tim	ne Mixi	ng Began:					Revs at	Plan	t Mixing Speed:			Truc	k No:		
Plant Location: Plant Inspector:									Max Wa	iter A	llowed in Mix:		gal.		lb	8.	
	Total	Tolerance	e	Total Wg	gt Range	Actua	al Batch W	eights	Meets						T		
Materials	Weight	- +		Low	High	Batch 1	Batch 2	Sum	Range								
Cement, Ibs.			%						Yes						T	otal Ibs. V in Loa	
Fly Ash, Ibs.			%					[Yes							III LOa	u
Silica Fume, lbs			%						Yes								
Total Cem. Matl									Yes	F	ree Moisture %		SSD We	eight	Fre	e Aggr M	oisture
Aggregate (1), lbs.			%						Yes		%						
Aggregate (2), lbs.			%						Yes		%						
Aggregate (3), lbs.			%						Yes		%						
Total (1)+(2)+(3)																	
Crr. Inhib. gal.										32 0	oz./gal.		(DCI O	nly)			
Meter Water, gal.										True	ck Wash Water:		gal.				
Meter Water, lbs.			* R	ate							Meter Water,	lbs.			1		
Air Ent. Agent, oz.									Water I	Held	at Plant	gal.		lbs.			
Water Reducer, oz.											Total Water at	Plan	t				
Water Red/Retarder, oz.									1s	st Wa	ter Added at Site	:	gal				
						Adjust	ed for Ove	rweight	2n	nd Wa	ater Added at Site	e:	ga	ι.			
							No 🝷				Total Water in	Load	i				
Calculation of Water/Cen	nentitious	Material Ratio:			Slum	p:		Ent	rained Air:	:			Cy	linders	Made:	No 🛃	
W/C Ratio =	1	=		as Batched	I ID No	:		Cor	ncrete Tem	np at	Placement:	F	Ac	Imixture	Added	at Site:	
W/C Ratio =	/	=		as Placed	Mixin	g Revs at §	Site:	Rev	s After Sit	te Ad	ded Water:		То	tal oz.:		oz./100	bs.
Date and Time Truck Fin	ished Unlo	ading:						Mix	ing Time A	After	Adding Admixtur	e:	r	ninutes			
Field Inspector:																	

Pour Location:

Form 700.04 Unique ID:			READ		TE REPORT	SCRAT
Status:				Date:		
File No:		Load No:		Cubic Yards:	Cumulative CY:	Project No:
Class:		Date and Time M	ixing Began:		Revs at Plant Mixing Speed	I: Truck No:
Plant Location:					Max Water Allowed in Mix:	gal. Ibs.
Plant Inspector:						
	Total	Tolerance	Total Wot Range	Actual Batch Weights	3 Monto	

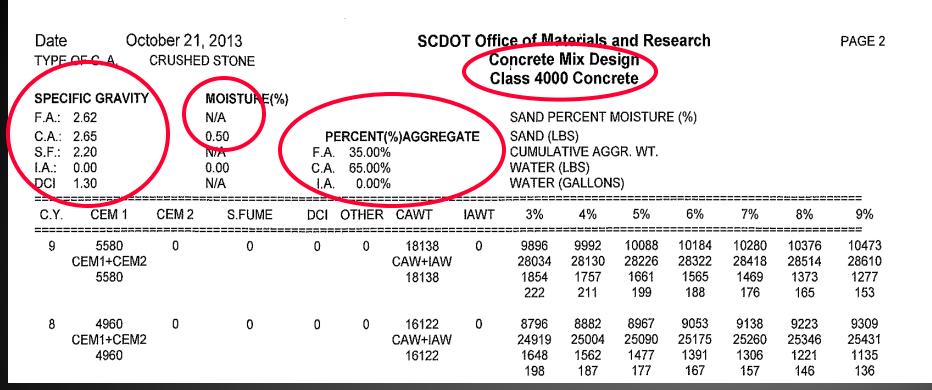
Project Number	Time Mixing Began			Total Ibs. Water in Load
Date	Mixing Speed	ire %	SD Weight	Free Aggr Moisture
Concrete Class	Batch Origin (Plant)	%		
Load Number	Plant Inspector	%	DCI Only)	
Load Size	Basic Batch	Vater:	gal.	
Accumulated Load Size	Information	gal. ater at Plant	lbs.	
Truck Number		at Site:	gal. gal.	
alculation of Water/Cementitious Material Ratio: Slump		t: F	Cylinders M Admixture	lade: No ▼ Added at Site:
//C Ratio = / = as Placed Mixin ate and Time Truck Finished Unloading:	g Revs at Site: Revs After Site Added Water Mixing Time After Adding Ad	r: 🗖 _	Total oz.: minutes	oz./100 lbs.
our Location:				

	Form 700.04 Unique ID:					READ	Y MIX	CONC	RETE	REPORT					F
	Status:						Date								
	File No:			Load No:			Cubic \			Cumulative CY:			Proje	ect No:	
	Class:			Date and Time Mixi	ng Beg	an:	Cubic	arao. j	_	Revs at Plant Mi	-	beed:	Truck		-
	Plant Location:				K	Requir	ed N	/ix 1	Prop	ortions		Aix:	gal.	lbs.	
	Plant Inspector:					-				ortions		,	9		
	Meterials	1	otal	Tolerance		rom B	Batch	i Ch	art						
	Materials	w	ight	- +	Lov						_				
	Cement, lbs.			□ □ %		•	Cem	ent						Total Ibs. Water in Load	
	Fly Ash, Ibs.			 			Com	Unit			_			in Load	
	Silica Fume, Ibs			2 🗆 🕺			Fly A	\ch							
I	Total Cem. Mat	1					I I Y I	1511			Moistur	re %	SSD Weight	Free Aggr Moisture	
I	Aggregate (1), Ibs	s.		%			Silic	o Fu	mo			%			
	Aggregate (2), Ibs	s.		□ □ %			Sinc	a r'u	me		1	%			
I	Aggregate (3), Ibs	s.		□ □ %			1					%			
I	Total (1)+(2)+(3)				•	Aggı	egal	te						_
I	Crr. Inhib. gal.										jal.		(DCI Only)		_
I	Meter Water, gal	I.				•	Wate	er			Vash I <mark>N</mark> a	ater:	gal.		_
I	Meter Water, Ibs	s. –		* R	ate						Meter W	Vater, Ibs.			
	Air Ent. Agent, oz	z.								Water Held at P	lant	gal.	lbs.		
	Water Reducer, o	z.								Т	otal Wa	ter at Plar	nt		
	Water Red/Retarder	r, oz.	Ī					•	Adm	ixtures			gal.		
							Adjust	ed for Ove	rweight	2nd Water	Added	at Site:	gal.		
								No 🝷		Т	otal Wa	ter in Loa	d		
	Calculation of Water	r/Cementit	ious M	aterial Ratio:		Slum	p:		Ent	rained Air:			Cylinders M	Made: No 💌	
	W/C Ratio =	/		=	as Bato	hed ID No	:	Í	Co	ncrete Temp at Plac	cement	:	F Admixture	Added at Site:	
	W/C Ratio =	1		=	as Plac	ed Mixin	g Revs at §	Site:	Rev	vs After Site Added	Water:		Total oz.:	oz./100 lbs.	
	Date and Time Truck	k Finished	Unioa	ding:					Mix	ing Time After Add	ding Ad	mixture:	minutes		
	Field Inspector:														
	Pour Location:														



Batch Chart

Date TYPE		ober 21 CRUSHE	, 2013 D STONE			SCDO	C	ce of Ma oncrete l lass 400	Mix Des	ign	earch			PAGE 2
F.A.: C.A.: S.F.: I.A.: DCI	2.62 2.65 2.20 0.00 1.30		MOISTURE(%) N/A 0.50 N/A 0.00 N/A	F.A. C.A. I.A.	35.00% 65.00% 0.00%	6	ATE	SAND PE SAND (LE CUMULA WATER (WATER (RCENT M BS) TIVE AGO (LBS) GALLON	MOISTURI GR. WT.	E (%)			
C.Y.	CEM 1	CEM 2	S.FUME	DCI	OTHER		IAWT	3%	4%	5%	6%	7%	8%	9%
9	5580 CEM1+CEM2 5580	0	0	0	0	18138 CAW+IAW 18138	0	9896 28034 1854 222	9992 28130 1757 211	10088 28226 1661 199	10184 28322 1565 188	10280 28418 1469 176	10376 28514 1373 165	10473 28610 1277 153
8	4960 CEM1+CEM2 4960	0	0	0	0	16122 CAW+IAW 16122	0	8796 24919 1648 198	8882 25004 1562 187	8967 25090 1477 177	9053 25175 1391 167	9138 25260 1306 157	9223 25346 1221 146	9309 25431 1135 136
7	4340 CEM1+CEM2 4340	0	0	0	0	14107 CAW+IAW 14107	0	7697 21804 1442 173	7772 21879 1367 164	7846 21953 1292 155	7921 22028 1217 146	7996 22103 1143 137	8071 22178 1068 128	8145 22252 993 119
6	3720 CEM1+CEM2 3720	0	0	0	0	12092 CAW+IAW 12092	0	6597 18689 1236 148	6661 18753 1172 141	6725 18817 1108 133	6790 18881 1044 125	6854 18945 979 118	6918 19009 915 110	6982 19073 851 102
5	3100 CEM1+CEM2 3100	0	0	0	0	10076 CAW+IAW 10076	0	5498 15574 1030 124	5551 15628 976 117	5605 15681 923 111	5658 15734 870 104	5711 15788 816 98	5765 15841 763 92	5818 15895 709 85
4	2480 CEM1+CEM2 2480	0	0	0	0	8061 CAW+IAW 8061	0	4398 12459 824 99	4441 12502 781 94	4484 12545 738 89	4526 12587 696 83	4569 12630 653 78	4612 12673 610 73	4654 12716 568 68
3	1860 CEM1+CEM2 1860	0	0	0	0	6046 CAW+IAW 6046	0	3299 9345 618 74	3331 9377 586 70	3363 9409 554 66	3395 9441 522 63	3427 9473 490 59	3459 9505 458 55	3491 9537 426 51
2	1240 CEM1+CEM2 1240	0	0	0	0	4031 CAW+IAW 4031	0	2199 6230 412 49	2220 6251 391 47	2242 6272 369 44	2263 6294 348 42	2285 6315 326 39	2306 6336 305 37	2327 6358 284 34
1	620 CEM1+CEM2 620	0	0	0	0	2015 CAW+IAW 2015	0	1100 3115 206 25	1110 3126 195 23	1121 3136 185 22	1132 3147 174 21	1142 3158 163 20	1153 3168 153 18	1164 3179 142 17
0.75	465 CEM1+CEM2 465	0	0	0.00	0	1511 CAW+IAW 1511	0	825 2336 154 19	833 2344 146 18	841 2352 138 17	849 2360 130 16	857 2368 122 15	865 2376 114 14	873 2384 106 13
0.50	310 CEM1+CEM2 310	0	0	0.00	0	1008 CAW+IAW 1008	0	550 1557 103 12	555 1563 98 12	560 1568 92 11	566 1573 87 10	571 1579 82 10	576 1584 76 9	582 1589 .71 9
0.25	155 CEM1+CEM2 155	0	0	0.00	0	504 CAW+IAW 504	0	275 779 51 6	278 781 49 6	280 784 46 6	283 787 43 5	286 789 41 5	288 792 38 5	291 795 35 4



Class 4000 Concrete Specific Gravity of Aggregate Aggregate Proportion Coarse Aggregate Moisture

		Batch Size cu.yd.	JSHEI	2013 D STONE MOISTURE(%) N/A		Мо	oistur	e C	Conto 3%	ent	of S	anc	1		PAGE 2
	S: I.A : DC I	2.20 0.00 1.30		0.50 N/A 0.00 N/A		35.00%	6	ATE	WAER	TIVE AG				7 (*** 201) 224 224 227 1000 000	
	¢Y.	. CEM 1 C	EM 2	S.FUME	DCI	OTHER	CAWT	IAWT	3%	4%	5%	6%	7%	8%	9%
	9	5580 CEM1+CEM2 5580	0	0	0	0	18138 CAW+IAW 18138	0	9896 28034 1854 222	9992 28130 1757 211	10088 28226 1661 199	10184 28322 1565 188	======= 10280 28418 1469 176	10376 28514 1373 165	10473 28610 1277 153
C		nentiti 5580 lk				al				396	lbs	san	d	′eigł	
									28	3034	4 ID	s to	tal a	aggr	egate
				Coars	e A	vggr	egat	e:	18	354	lbs	wat	er c	or	
				1	813	38 I	bs		22	22 g	allo	ns v	wate	er	
E															

V	

Form 700.04 Unique ID: Status:					F	READY	MIX (Date:		RETE	REPORT	SCE€T
File No:			Load No:				Cubic Y	′ards:		Cumulative CY:	Project No:
Class:			Date and Time Mixi	ng Beg	jan:					Revs at Plant Mixing Speed:	Truck No:
Plant Location:									_	Max Water Allowed in Mix: gal.	lbs.
Plant Inspector:											
Materials	Tot Weig	l ht	Tolerance	Tota Lov	Wg	t Range	Actua	I Batch We	eights	Range	
Cement, Ibs.						Cal	cula	ited.	Allo	wable Range of M	IX Total lbs. Water
Fly Ash, Ibs.										Yes	in Load
Silica Fume, lbs						rro	port	uons	•		
Total Cem. Matl							• (Tomo	nt	Yes -1% SSD Wei	ight Free Aggr Moisture
Aggregate (1), Ibs.			□ □ □ %				• (Ceme		Yes -1 70 %	
Aggregate (2), lbs.			□ □ %				• 1		ah	Yes -1%	
Aggregate (3), Ibs.			□ □ <mark> </mark>				• 1	Ty A	SII	Yes 71 70 %	
Total (1)+(2)+(3)								ilio	Em	me -1%	
Crr. Inhib. gal.								SIIICe	i rui	IIE -1.% (DCI ON	ly)
Meter Water, gal.								C C I	agat	Truck Wash Water: gal.	
Meter Water, Ibs.			* R	ate			• P	rggi	egal	$\pm 2\%$ ter Water, ibs.	
Air Ent. Agent, oz.			ļ			_				Water Held at Plant gal.	lbs.
Water Reducer, oz.			ļ							Total Water at Plant	
Water Red/Retarder, oz										1st Water Added at Site: gal.	
							Adjuste	ed for Over	weight	2nd Water Added at Site: gal.	
								No 🛃		Total Water in Load	
Calculation of Water/Ce	mentitio	us	Material Ratio:			Slump	c		Ent	trained Air: Cyl	inders Made: No 💌
W/C Ratio =	_/		=	as Bat	ched	ID No:		Í	Co	ncrete Temp at Placement: F Adr	mixture Added at Site:
W/C Ratio =	/			as Plac	ed	Mixing	Revs at S	ite:	Re	vs After Site Added Water: Tot	al oz.: oz./100 lbs.
Date and Time Truck Fin	nished l	Inlo	ading:					_	Mb	king Time After Adding Admixture: m	inutes
Field Inspector:											
Pour Location:											



Design Weight from Batch	Allowab	le Range
Chart	low	high
	-2% = -0.02	+2% = +0.02
9896 lbs (Sand from example batch chart)	9896 – 9896(0.02)	9896 + 9896(0.02)
	9698 lbs	10094 lbs



																		-
				E I	REA	D	Υ ΜΙΧ	CONC	RETE	REPO	RT				e		<u> </u>	- 1
							Date							1				
		Date and Time Mixing Began: Revs at Plant Mixing Speed: Truck Max Water Allowed in Mix: gal. Tolerance Total Wgt Ran e Actual Batch Weights Meets % Max Water Allowed in Mix: gal. % Max Water Allowed in Mix: gal. % Meets Meets % Max Water Allowed in Mix: gal. % Max Water Allowed in Mix: gal. % Meets Meets % Max Water Allowed in Mix: gal. % Meets Yes % Meets Yes % Max Water Allowed in Mix: gal. % Max Yes % % Max Yes %		ect No:														
Class:			me Mixi	ing Began:			cubic	1000										
Status: Date: Cumulative CY: Project No: File No: Load No: Cubic Yards: Cumulative CY: Project No: Class: Date and Time Mixing Began: Revs at Plant Mixing Speed: Truck No: Truck No: Plant Location: Project No: Truck No: Max Water Allowed in Mix: gal. Bos. Materials Total Wat Ran e Actual Batch Weights Meetig Max Water Allowed in Mix: gal. Bos. Materials Total Wat Ran e Actual Batch Weights Meetig Max Water Allowed in Mix: gal. Bos. Silca Fune, Ibs % Low High Batch 1 Batch 2 Yes Total Ibs. Water in Load Aggregate (1), Ibs. % Gage Addition Yes Yes % Gage Addition Gale Gale <t< td=""><td></td></t<>																		
Unique ID: READY MIX CONCRETE REPORT Project No: Statu:: Date:: Date:: Project No: Class: Date and Time Mixing Began: Cubic Yards: Reval all Nithing Speed: Truck No: Plant Location: Max Water Allowed in Mix: gal. Ibs. Materials Total Toterance Total Wgt Ran le Actual Batch Weights Meets Materials Total No: Situa Yes Total Ibs. W Situa Fune, Ibs. 5% O Yes Total Ibs. W Situa Fune, Ibs. 5% O Yes Total Cem. Matt Aggregate (1), Ibs. 5% O Yes Situa O Aggregate (2), Ibs. 5% O Yes Situa O O Aggregate (2), Ibs. 5% O O Yes Situa O O Water Reducer, oz. Situa Situa O Yes Situa O O Water Reducer, oz. Situa O O Yes Situa O O O Water Reducer, oz. Sit																		
Materiale		Toleran	ce	Total W	gt Ran	е	Actua	al Batch W	eights	Meets								
Materials	Weight	. +	,	Low	Hig	١.	Batch 1	Batch 2	Sum	Range	4							
Cement, Ibs.			%							Yes	1					To		
Fly Ash, Ibs.			%							Yes								
Silica Fume, lbs			%							Yes								
Total Cem. Matl			No <															
Aggregate (1), lbs.			%							Yes		%						
Aggregate (2), Ibs.			%							Yes		%						
Aggregate (3), Ibs.			%		Yes							%						
Total (1)+(2)+(3)																		
atis: Date: Date: Date: Cubic Yards: Cumulative CY: Project No: ass: Date and Time Mixing Began: Rev at Plant Mixing Speed: Tuck No: Inc. No: ant Location: max Water Allowed in Mix: gal. lbs. Materials Total Wat Ran e Actual Batch Weight Max Water Allowed in Mix: gal. lbs. Materials Total Wat Ran e Actual Batch Weight Max Water Allowed in Mix: gal. lbs. Materials Total Materials Total Wat Ran e Actual Batch Weight Maxerials Maxerials Materials Materials Materials Maxerials <																		
Meter Water, gal.											Truck	Wash Water:		gal.				
Meter Water, lbs.			* F	Rate								Meter Water, I	lbs.				_	
Interface Total WEIRD Meets Materials Total Weight Total WEIR No Actual Batch Weight Meets Renge Cement, Ibe. 9% 9% 0 0 0 0 0 0 9% 0																		
Water Reducer, oz.												Total Water at I	Plant	t				
Water Red/Retarder, oz.										1s	st Wate	er Added at Site	:	gal.				
							Adjust		rweight	2n	nd Wat	er Added at Site	:	gal.				
atis:: Date:: Date:: Date:: Cubic Yards: Cumulative CY: Project No: ass:: Date and Time Mixing Began:: Rev at Plant Mixing Speed:: Tuck No: Inc. No: ant Location: Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Materials Voight Total Water Allowed in Mix: gal. Ibs. Silica Fume, Ibs 1 Low He Yes Yes Total Oce 1 1 Ibs. Inc. Ibs. Agregate (3), Ibs. 1 1 1 Ibs. Ibs. <td< td=""></td<>																		
Calculation of Water/Cen	nentitious	Material Ratio:			s	lum	n.		Ent	trained Air				Cyl	linders I	Made:	No 🛃	
W/C Ratio =	/				۸.					•		nt:	F	Adı	mixture	Added a	at Site:	
W/C Ratio =	/	ACT	uc	71 (\		Х	Pr	OD	ort	IOr	IS	er:		Tot	tal oz.:		oz./100 lb	s.
Date and Time Truck Fin	ished Un											Admixtur	e:	m	ninutes			
Field Inspector:																		

Pour Location:

700.04 Pg 1

Unique ID:	ID: Load No: Date and Time Mixing Began: Date and Time Mixing Began: Date and Time Mixing Began: Date and Time Mixing Began: Date and Time Mixing Began: Total Wgt R Veight + Low R Total Wgt R Total Wgt R Neight + Low R Total Wgt R Neight + Low R Total Wgt R Neight - + Low R Neight -					READ	Y MIX	CONC	RETE	REPO	RT					P				
Status:	_							Date								1				
File No:			Load No:					Cubic	fards:		Cumulat	tive CY	r:				Proje	ct No:		
Class:			Date and Ti	ng Be	gan:					Revs at	Plant I	Mix	king Speed:			Truck	No:			
Plant Location:	ue ID: READ is: Ioad No: is: Date and Time Mixing Began: it Location: Inspector: Materials Total Materials Total Weight + Low High Cement, lbs. % Fly Ash, lbs. % Silica Fume, lbs % Silica Fume, lbs % Total Cem. Matl % Aggregate (1), lbs. % Aggregate (2), lbs. % Aggregate (3), lbs. % Total (1)+(2)+(3) % Crr. Inhib. gal. % Meter Water, gal. * Meter Water, gal. * Air Ent. Agent, oz. * Vater Reducer, oz. * Vater Reducer, oz. * Internet Reducer, oz. * Materials / Internet Reducer, oz. *									_	Max Wat	ter Allo	ow	ed in Mix:		gal.		lbs.		
Plant Inspector:	Adder ID: atus: e No: ass: Date and Time Mixing Began: ant Location: ant Inspector: Materials Total Materials Total Materials Total Materials Total Materials Total Materials Total Cement, lbs. 9% Silica Fume, lbs 9% Silica Fume, lbs 9% Total Cem. Mati Aggregate (1), lbs. Aggregate (2), lbs. Aggregate (2), lbs. Aggregate (2), lbs. Aggregate (3), lbs. Total (1)+(2)+(3) Crr. Inhib. gal. Meter Water, gal. Meter Water, gal. Meter Water, lbs. * Rite Air Ent. Agent, oz. Vater Reducer, oz. Vater Red/Retarder, oz.																			
Materials				ce		_	_	Actua Batch 1	Batch We Batch 2	eights Sum	Meets Range									
Cement, Ibs.		-F		%			ingi	Duton	Duton 2	Jun	Yes							То	tal Ibs. Wa	ater
Fly Ash, lbs.				-							Yes								in Load	
Silica Fume, Ibs	ique ID: attus: e No: inss: Date and Time Mixing Began: int Location: int Inspector: Materials Total Materials Total Materials Fly Ash, lbs. Silica Fume, lbs. Total Cem. Matl Aggregate (1), lbs. Aggregate (2), lbs. Aggregate (3), lbs. Total (1)+(2)+(3) Crr. Inhib. gal. Meter Water, gal. Meter Water, gal. Meter Water, lbs. * Fite Air Ent. Agent, oz. Water Reducer, oz. /ater Red/Retarder, oz. /ater Red/Retarder, oz. /ater Red/Retarder, oz. /ater Red/Retarder, oz.										Yes									
Total Cem. Matl		t									Yes	Free	e	Noisture %		SSD Wei	ight	Free	Aggr Moi	sture
Aggregate (1), lbs.				%							Yes	Γ	1	%						
Aggregate (2), lbs.				%							Yes		1	%						\square
Aggregate (3), lbs.	e ID:										Yes		T	%						
Total (1)+(2)+(3)	ue ID: Image: Constraint of Water/Cementitious Material Ratio:												Ι							
Crr. Inhib. gal.		V										32 oz.	./ç	al.		(DCI On	ly)			
Meter Water, gal.					1							Truck	v	ash Water: 🗍		gal.				
Meter Water, Ibs.				* P	ite									leter Water, I	bs.					
Air Ent. Agent, oz.	que ID: us: No: ss: Date and Time Mixing Began: att Location: att Inspector: Total Materials Total Total Inspector: Total Cement, lbs. Fly Ash, lbs. Silica Fume, lbs Silica Fume, lbs Total Cem. Matl Aggregate (1), lbs. Aggregate (2), lbs. Aggregate (3), lbs. Total (1)+(2)+(3) Crr. Inhib. gal. Meter Water, gal. Meter Water, gal. Meter Water, oz. Sulation of Water/Cementitious Material Ratio: Exation = / Ratio = / Ratio = / = as Batched as Placed e and Time Truck Finished Unloading:										Water H	leld at	PL	ant	ial.		lbs.			
Water Reducer, oz.													_	•						
Water Red/Retarder, oz.									JO (act	ual	n	Π							
								A							_					
								l r	no	nn	rtio	n	ς	fall						
Calculation of Water/Ceme	entitiou	s Ma	terial Ratio:				Slum	p: 📘 🏲						Tun			nders M	Aade: N	No 🔽	
W/C Ratio =	/		=		as Bat	ched	ID No	:	العاني					in h	_		ixture	Added a	t Site:	
W/C Ratio =	/				as Pla	ced	Mixin	g Rev 🛛 🗸	νιι		all	U	Λ	/abl	e		l oz.:		oz./100 lb:	š.
Date and Time Truck Finis	hed Un	load	ing:														nutes			
Field Inspector:	que ID: Image: Constraint of the second secon									ze ε)									
Pour Location:									5											

Form 700.04 Unique ID:				I	READ	Y MIX	соис	RETE	REPO	RT		C		
Status:						Date	:							
File No:		Load No:				Cubic	Yards:		Cumulat	tive CY:	1.4.4	ater f		
Class:		Date and	Time Mixi	ing Began:					Revs at	Plant Mixir	VV	aleri	IOIII	
Plant Location:								_	Max Wa	ter Allowed				L
Plant Inspector:											m	oistur	o in	L
Materials	Total Weight	Tolera	ance	Total We Low	gt Range High	Actu Batch 1	al Batch W Batch 2	eights Sum	Meets Range			oistui	CIII	L
Cement, Ibs.			%	2011	riigii	Daten i	Datenz	Juli	Yes					L
Fly Ash, lbs.	<u> </u>		%		<u> </u>	1	<u> </u>		Yes		ag	grega	ite	L
Silica Fume, Ibs	<u> </u>		%		<u> </u>	1	i		Yes			0 0		J.
Total Cem. Matl			~		<u> </u>	1	<u> </u>		Yes	Free Mo	isture %	SSD Weight	Free Aggr Moistu	ure
Aggregate (1), lbs.			%						Yes		%			
Aggre									Yes	L T	%			_
	tor	· \//	ate	or		1	Ē		Yes	1	%			_
Tota	LC1	~~~					Í						-	
Crr.										32 oz /gal		(DCLOply)		_
Mete add	led	at	DIa	ant						Truck Was	h Water:	gal.		-
Mete			•		- F					Me	ter Water, I			_
	luc		tri	Ick					Water H	leid at Plan	nt c	jal. Ibs.		
Water	iuc	JC3	UIU	JUN			(Water at F			
Water R				\					1s	t Water Ad	ded at Site	gal.		
Water R Was	sn v	wat	er)		Adjust	ed for Ove	rweight	2n	d Water Ad	Ided at Site	gal.		
							No 🔫			Tota	l Water in L	Load		_
Calculation of Water/Cen	nentitious	Material Rati	o:		Slun	np:	_	Ent	trained Air:			Cylinders I	Made: No -	
W/C Ratio =	1	=		as Batcheo					ncrete Tem		nent:	F Admixture	Added at Site:	
W/C Ratio =	/	=		as Placed	Mixi	ng Revs at	Site:	Re	vs After Sit	e Added W	ater:	Total oz.:	oz./100 lbs.	
Date and Time Truck Fini	ished Unlo	ading:						Mip	king Time A	fter Adding	g Admixtur	e: minutes		

Field Inspector:

Pour Location:

Ţ

Water from Moisture in Aggregate Calculation

Moisture content Aggregate Weight without moisture

%moist

Aggregate Batch Weight

1 + % moist

Weight of Water from Aggregate Moisture

Aggregate Batch Weight – Aggregate Weight without moisture

 $3\% = 0.03 \qquad \frac{9896 \text{ lbs}}{1 + 0.03} = 9608 \text{ lbs}$

9896 - 9608 =288 lbs

Form 700.04 Unique ID:				F	READ	Y MIX (соис	RETE	REPO	RT		G					
Status:						Date:				Г			<u> </u>				
File No:			Load No:		Cubic Y	fards:		Cumulat	Cumulative TW/ort ore free 100								
Class:			Date and Time Mixi	Date and Time Mixing Began:								Water from					
Plant Location:									Max Wat	ter A							
Plant Inspector:											moi	oture	in				
Materials		Total	Tolerance		al Batch We	× ×	Meets		moisture in								
		Weight	- +	Low	High	Batch 1	Batch 2	Sum	Range								
Cement, Ibs	s.		<u> </u>						Yes		2001	regat	е	Water ad			
Fly Ash, Ibs									Yes		uss	iugui					
Silica Fume,	lbs								Yes	_			-				
Total Cem. N	lati								Yes	Fre	ee Moisture %	SSD Weight	Free	e Aggr Moistu	е		
Aggregate (1),	lbs.								Yes		%						
Aggreg					·				Yes		%						
Aggreg	1 o	tor	· Wate	10					Yes	ĺ	%						
Total (16	lei	<i>vvule</i>										-				
Crr. Ir										32 oz	z./gal.	(DCI Only)					
Meter	dd	led	l at pla	ant						Truc	k Wash Water:	gal.					
Meter	.uu				F	1					Meter Water, I	-					
Air Ent.	•	. 1	1	. 1	-				Water H	lold a		al. Ibs			-		
Water R	110	ciu	des tr	UCŀ		<u> </u>			water n		Total Water at P		·		\neg		
Water Red					-		<u> </u>								-		
Water Red	0.00	h	watar		-				15	t wat	er Added at Site:	; gal.					
	v ai	511	water)		Adjust	No -	weight	210	u wa	ter Audeu at Site	, , .	_				
						L					Total Water in L	oad					
Calculation of Wa	iter/Ceme	entitious N	Material Ratio:		Slum	p:		Ent	rained Air:			Cylinde	rs Made:	No -I	r		
W/C Ratio =		/	=	as Batcheo	I ID No	e	_	Cor	ncrete Tem	p at F		-7 117					
W/C Ratio =		/		as Placed	Mixin	g Revs at S	Site:	Rev	s After Site	e Add		al W	ate	s.			
Date and Time Tr	uck Finis	hed Unloa	ading:				_	Mix	ing Time A	fter A	Ac						
Field Inspector:										_	froi	m nl	ont				
Pour Location:											1101	m pla	ant				

Form 700.04 Unique ID:		READY MIX CONCRETE REPORT														
Status:					Date	:					1000	~				
File No:		Load No:			Cumulative CY: Project No:											
Class:		Date and Time Mix	ing Began:					Revs at	Plant Mixing Speed:		Т	ruck	No:			
Plant Location:								Max Wa	ter Allowed in Mix:		gal.		lbs.			
Plant Inspector:																
Materials	Total Weight	Tolerance		gt Range		al Batch W	· ·	Meets Range								
0	weight		Low	High	Batch 1	Batch 2	Sum	-	{				-			
Cement, Ibs.		<u> </u>			<u> </u>	<u> </u>		Yes	-				10	tal lbs. Wa in Load	ater	
Fly Ash, Ibs.	_	<u> </u>			<u> </u>	<u> </u>		Yes	-							
Silica Fume, Ibs	_	<u> </u>				<u> </u>		Yes		_		_				
Total Cem. Matl				ļ				Yes	Free Moisture %		SSD Weight	1	Free	Aggr Moi	sture	
Aggregate (1), Ibs								Yes	%							
Aggregate (2), Ibs).							Yes	%							
Aggregate (3), Ibs								Yes	%							
Total (1)+(2)+(3)																
Crr. Inhib. gal.									32 oz./gal.		(DCI Only)					
Meter Water, gal											-					
Meter Water, Ibs.		*	Rate					Vat	er ado	16	od c	r		ite		
Air Ent. Agent, oz								<i>iui</i>	er au			/1.	I D	110		
Water Reducer, or	z.								Total Water at	Plant	1			_		
Water Red/Retarder,	, oz.					Ī —		15	st Water Added at Sit	e:	gal.					
					Adjust	e for Ove	rweight	2n	nd Water Added at Sit	e:	gal.					
Total water in Load																
Calculation of Water	/Cementitiou	s Material Ratio:		Slum	p:	_	Ent	trained Air	:		Cylind	ers M	ade:	No 🝷		
W/C Ratio =	1	=	as Batche	d ID No		Í	Co	ncrete Tem	np at Placement:	F	Admix	ture /	Added a	t Site:		
W/C Ratio =	/	=	as Placed	Mixin	g Revs at §	Site:	Re	vs After Sit	te Added Water:		Total o	z.: 🖡		oz./100 lbs	s.	
Date and Time Truck	Finished Un	loading:					Mb	king Time A	After Adding Admixtu	re:	minu	tes				
Field Inspector:																

Pour Location:

V	

Form 700.04				READ		сомс	RETE	REPORT CONST					
Unique ID:													
Status:					Date		_						
File No:		Load No:			Cubic \	fards:		Cumulative CY: Project No:					
Class:		Date and Time Mixi	ng Began:	Revs at Plant Mixing Speed: ITUCK NO:									
Plant Location:							_	Max Water Allowed in Mix: gal Ibs.					
Plant Inspector:													
Materials	Total Weight	Tolerance	Total We Low	gt Range High	Actua Batch 1	Batch W Batch 2	eights Sum						
Cement, Ibs.	Weight	- +	LOW	nıgn	Datch 1	Datch 2	Sum	Is the total water					
Fly Ash, lbs.													
Silica Fume, Ibs						<u> </u>		less than the					
Total Cem. Matl													
Aggregate (1), Ibs.								allowable water for					
Aggregate (2), lbs.		□ □ %						allowable water for					
Aggregate (3), Ibs.	ggregate (3), Ibs.												
Total (1)+(2)+(3)								this mix?					
Crr. Inhib. gal.													
Meter Water, gal.								Truck Wash Water: gal.					
Meter Water, lbs.		* R	ate					Meter Water, Ibs.					
Air Ent. Agent, oz.								Water Held at Plant gal. Ibs.					
Water Reducer, oz.								Total Water at Plant					
Water Red/Retarder, oz.								1st Water Added at Site: gal.					
					Adjust	ed for Ove	rweight	2nd Water Added at Site: gal.					
						No -		Total Water in Load					
Calculation of Water/Cen	nentitious I	Material Ratio:		Slum	p:		Ent	rained Air: Cylinders Made: NO V					
W/C Ratio =	/	=	as Batcheo	I ID No	:		Cor	ncrete Temp at Placement:					
W/C Ratio =	/	=	as Placed	Mixin	g Revs at S	Site:	Rev	rs After Site Added Water: Total Water					
Date and Time Truck Fini	ished Unlo	ading:					Mix	ing Time After Adding Admixture					
Field Inspector:													
Pour Location:													

Form 700.04	_					солс	DETE		рт			
Unique ID:				READ			REIE	REFU	R I			
Status:					Date		_		_	_		
File No:		Load No:	_		Cubic	Yards:			tive CY:			ct No:
Class:		Date and Time Mixi	ng Began:					Revs at	Plant Mixing	Speed:	Truck	No:
Plant Location:								Max Wa	ter Allowed i	n Mix:	gal.	lbs.
Plant Inspector:												
Materials	Total Weight	Tolerance	Low	gt Range High	Batch 1	Batch We Batch 2	eights Sum	Meets Range				
Cement, Ibs.			Low	nign	Daten i	Datem	Juin	Yes				Total Ibs. Water
	<u> </u>					<u> </u>		Yes				in Load
Fly Ash, Ibs.	<u> </u>	<u> </u>										
Silica Fume, lbs						ļ		Yes				
Total Cem. Matl								Yes	Free Mois	ture %	SSD Weight	Free Aggr Moisture
Aggregate (1), lbs.								Yes		%		
Aggregate (2), Ibs.								Yes		%		
Aggregate (3),					. 1		4	•	1	1		
Total (1)+(2)-				to	otal	Wa	atei	1 1	loa	d		
Crr. Inhib. g	c/c											_
Meter Water.	10	—	1			• , •			. •	1	• 1	1
Meter Water,		tota	ll Ce	em	ent	1 t 1C	ous	ma	teri	al	in load	
Air Ent. Agent, oz.								Water I	Held at Plant		jal. Ibs.	
Water Reducer, oz.									Total V	Nater at I	Plant	
Water Red/Retarder, oz.		İ.						1s	t Water Adde	ed at Site	; gal.	
		r			Adjust	ed for Over	rweight	2n	d Water Add	ed at Site	gal.	
						No 🝷			Total \	Nater in I	Load	
Calculation of Water/Cen	nentitious	Material Ratio		Slum		_	En	trained Air:			Cylinders N	No v
W/C Ratio =	1		as B tche		·	-			p at Placeme	nt:		Added at Site:
W/C Ratio =	·/		as Placed		۰) g Revs at §	Siter			e Added Wat		Total oz.:	oz./100 lbs.
Date and Time Truck Fin	· · · · · · · · · · · · · · · · · · ·		as Finced	WIXIN	g nevs at s	site.			Added wat			02.7100 105.
Field Inspector:		·					MIL	ang time P	and Adding /	Samatu	e minutes	
Pour Location:												

Form 700.04 Unique ID:			F	READ	Y MIX	соис	RETE	REPOR	т	S	
Status:					Date	: L					
File No:		Load No:			Cubic \	Yards:		Cumulativ	e CY:	Projec	et No:
Class:		Date and Time Mix	ing Began:					Revs at Pla	ant Mixing Speed:	Truck	No:
Plant Location:							_	Max Water	Allowed in Mix:	gal.	lbs.
Plant Inspector:											
Materials	Total Weight	Tolerance		gt Range		al Batch We		Meets			
	weight		Low	High	Batch 1	Batch 2	Sum	Range			
Cement, Ibs.		<u> </u>						Yes			Total Ibs. Water
Fly Ash, bs Silica Fume, b	Slump					On	-site	e mix	ing reco	ord	
Total Cem Ma											Free Aggr Moisture
Aggregate (1),	Air Co	ntent				On	-site	adn	nixture	record	
Aggregate (2), I	bs.					UII	Jitt	Yes	invenc	record	
Aggregate (8),	Cylind	lors?				Tor	nno	ratur	re of co	ncroto	
Total (1)+(2)+(Cynnic	1013:				ICI	inhe	iatui	e or co	nciete	
Crr. Inhib. ga											
Meter Water, g	Time	Truck Ur	lloa	ded				Tr			
Meter Water, Ib	s.	* 5							On s	ite Ba	atch
Air Ent. Age <mark>nt,</mark>	nspe	ctor						Water Hel			
Water Reducer	07.										
Water Red/Retarde	er, oz.			_			1	1st V	Intor	matio	on \square
		r			Adjust	ed for Over	weight	2nd V			
						No 🝷	č		Total Water in Lo	pad	
Calculation of Wate	er/Cementitious	Material Ratio:		Slum	p:		Ent	rained Air:		Cylinders M	ade: No 🝷
W/C Ratio =	1	=	as Batcheo		<u></u>	ľ	Cor	ncrete Temp a	at Placement:	F Admixture A	Added at Site:
W/C Ratio =	/	=	as Placed	Mixin	g Revs at S	Site:		/s After Site /		Total oz.:	oz./100 lbs.
Date and Time True	ck Finished Unl	oading:			-		Mix	ing Time Afte	er Adding Admixture	: minutes	
Field Inspector:		• ,						-	-		
Pour Location:											