



Twining, Inc. - Long Beach Lab
 3310 Airport Way, Long Beach, CA 90806
 Ph: 562.426.3355
 Fax: 562.426.6424
 www.twininginc.com

Concrete Test Report

Report No: CON:W01-14-00501-C1
 Date of Issue: 2/14/2014 Issue No: 1

Customer: Cellular Concrete Technologies
 c/o CDI
 Irvine, CA, 92618
Project: CCT Benchmark Testing
 100 Pacifica
 Irvine, CA, 92618

Project No.: 140024.1
Permit No.:
OSHPD:
DSA File #:
DSA AP #:

Jurisdiction: Irvine
Distribution:


 Approved Signatory: Eugene Raymundo (Project Engineer)

Mix Data

Supplier: N/A
Plant: N/A
Mix Identification: N/A
Specified Design Strength (psi): 892 at age 28 days
Mortar Type: N/A
Type of Shotcrete: N/A
Type of Fibers: N/A

Details of Sample

Date Sampled	1/9/2014	Date Received	1/10/2014			Measured	Specified
General Location				Slump (in)	ASTM C 143		N/A
Sample Location				Slump w/ plasticizer (in)		N/A	
Curing Method	Five day Field/Laboratory Cure			Air Temp (°F)		N/A	
Field Sample ID	70/892	Field Cure Temp (°F) High	N/A	Concrete Temp (°F)	ASTM C 1064	N/A	
		Low	N/A	Air Content (%)	ASTM C 173	N/A	41
Contractor	N/A			Unit Weight (pcf)	ASTM C 138	N/A	70
Nozzleman	N/A			Batch Size (yd³)		N/A	
Gun Operator	N/A			Water Added (gal)	Before	N/A	
Truck No.	N/A	Ticket No.	N/A		After	N/A	
Sampled By	N/A			Time Batched		N/A	
Submitted By	N/A			Time Sampled		N/A	
Weather	N/A			Time Placed		N/A	
Est. Wind (mph)	N/A	Yd³ Placed	N/A	Time In Truck (mins)		N/A	
Est. Rh (%)	N/A	Yd³ Rejected	N/A				

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (Days)	Dimensions (in) Diameter	Height	Area (in²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required Strength (psi)
W01-14-00501-1\1	01/16/14	7	4.00	8.00	12.57	U	11170	1	890	N/A
W01-14-00501-1\2	01/23/14	14	4.00	8.00	12.57		14520	1	1160	N/A
W01-14-00501-1\3	02/06/14	28	4.00	8.00	12.57		17980	1	1430	
Average 28 Day Compressive Strength (psi)									1430	

Notes

1. Sampling to ASTM C 172
2. Specimen(s) Prepared to ASTM C 31
3. Capping: B = Bonded ASTM C 617, U = Unbonded ASTM C 1231

Remarks

Fracture Type: 1 = C39: Cones on both ends; C1314: Conical Break
 70 pcf/892 psi DOE