



Client: Dave Gish
 Widefield School District 3
 1820 Main Street
 Colorado Springs, CO 80911

Webster Elementary School Addition & Alterations

Report Date: May 18, 2023
 Work Order Date: Apr 20, 2023

Work Order No.: 22-8500.Concrete.0055; ver: 3
 Reviewed by: Josiah Johnson

Concrete

Concrete Contractor: Transit Mix
 Placement Method: Tailgated
 Total Quantity Placed: 9.75 yd³
 Placement Location: Trickle Channel on south end of Webster Elementary (see photo)
 Comments: Informed by Transit Mix QC of specs (5-8% air & 4" max slump)

Performed by: Brandon Ooley
 Finish Method: Trowel Finished|Hand Finished
 Weather: Sunny

On-site Notifications, Specification, and Mix Information

On-Site Notification(s)	Item / Structure Type	Test	Specified	Mix Design
Steve Buellesbach with Nunn Construction	General Concrete	Air Content (%)	-	-
		Slump (in)	-	-
	Mix Placed	Unit Weight (pcf)	-	-
	Transit Mix T34592110	Comp. Strength (psi)	-	-

Sampling (ASTM C172 / AASHTO R60 / CDOT CP61)

Sample No.	Location	Sampled From	Quantity (yd ³)	Truck No.	Ticket No.	Batch Time	Test Time	Air Temp. (°F)	Water Added (gal)
53	Trickle Channel on south end of Webster Elementary (see photo)	Point of Delivery	9.75	63	86750899	9:19 AM	9:45 AM	40	0

Field Tests (ASTM C138, C143, C231, and C1064 / AASHTO T119, T121, and T152)

Sample No.	Concrete Temp. (°F)	Slump (in)	Air Cont. (%)	Meas. Vol. (ft ³)	Empty Meas. (lb)	Full Meas. (lb)	Unit Wt. (pcf)	Lab Samples Cast
53	72	4	5.8	.250	7.68	42.60	139.7	Yes

Compressive Strength (ASTM C31 and C39 / AASHTO T22 and T23)

Sample No.	Lab ID	Age (d)	Diameter (in)	Area (in ²)	Fracture Type	Max. Load (lb-f)	Corrected Strength (psi)	Strength at Acceptance (psi)
53	C5296	7	4.00	12.57	5 / Side	47,200	3,760	-
	C5297	28	4.00	12.57	5 / Side	60,010	4,770	4,770
	C5298	28	4.00	12.57	5 / Side	60,480	4,810	4,810
	C5299	28	4.00	12.57	3 / Columnar	61,760	4,910	4,910
Average Compressive Strength (psi):								4,830

Results apply only to the specific items and locations referenced and at the time of testing, observations or special inspections. Unless noted otherwise, specimens were received in adequate condition. Compressive strength specimens, if tested, were capped in accordance with ASTM C1231 or ASTM C617, as applicable. This report should not be reproduced, except in full, without the written permission of GROUND Engineering Consultants, Inc.

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