



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.0056; ver: 3  
 Reviewed by: Josiah Johnson

### Concrete

Concrete Contractor: Transit Mix  
 Placement Method: Tailgated  
 Total Quantity Placed: 3.5 yd<sup>3</sup>  
 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: Partly 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 <sup>3</sup> )	Truck No.	Ticket No.	Batch Time	Test Time	Air Temp. (°F)	Water Added (gal)
54	Trickle Channel on south end of Webster Elementary (see photo)	Point of Delivery	3.5	51	86717329	12:23 PM	1:15 PM	48	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 <sup>3</sup> )	Empty Meas. (lb)	Full Meas. (lb)	Unit Wt. (pcf)	Lab Samples Cast
54	75	3.5	5.5	.250	7.68	42.71	140.1	Yes

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

Sample No.	Lab ID	Age (d)	Diameter (in)	Area (in <sup>2</sup> )	Fracture Type	Max. Load (lb-f)	Corrected Strength (psi)	Strength at Acceptance (psi)
54	C5301	7	4.00	12.57	5 / Side	52,040	4,140	-
	C5302	28	4.00	12.57	5 / Side	66,640	5,300	5,300
	C5303	28	4.00	12.57	3 / Columnar	66,320	5,280	5,280
	C5304	28	4.00	12.57	5 / Side	65,060	5,180	5,180
<b>Average Compressive Strength (psi):</b>								<b>5,250</b>

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.

## Webster Elementary School Addition & Alterations

Report Date: May 18, 2023

Work Order No.: 22-8500.Concrete.0056; ver: 3

Work Order Date: Apr 20, 2023

Reviewed by: Josiah Johnson

### Concrete

### Photos

