

REPORT OF CONCRETE CYLINDER TEST

MAPPA TESTLAB

1956 Richardson Hwy, North Pole, AK

Report Date: 10/2/25

Project Number: Alcan EIE 430
Project: Eielson 430
Client: Alcan Builders, Inc.
Address: P.O. Box 70752
Fairbanks, Alaska 99707
Attn:

Report Number: 1

FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/6/2025

Time Sampled: 2pm

Location of Sample: Foundation Walls D.5/ 1.1

Supplier: HC Redi- Mix

Truck Number:

Ticket Number: 186415

Mix Number: 6034I

Design Strength: 4500

Batch Size:

Slump: 5.75" (ASTM C 143)

Air Content: 5.3% (ASTM C 231)

Unit Weight: 145.4 (ASTM C 138)

Concrete Temp: 73°F (ASTM C 1064)

Ambient Temp: 76°F

Water Added:

Technician: John Trush

Initial Curing:

Final Curing:

Max Field Curing Temp.:

Min Field Curing Temp.:

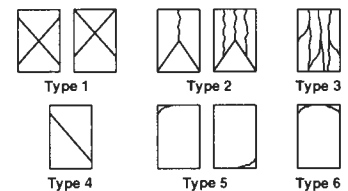
LABORATORY TEST RESULTS (ASTM C 39)

Specimen	Test Date	Age	Load	Diameter	Area	Strength	Percent of Design	Type of Fracture
25-1863	8/13/2025	7	61410	4.00	12.57	4890	109%	3
25-1864	8/13/2025	7	55315	4.00	12.57	4400	98%	3
25-1865	8/13/2025	7	60895	4.00	12.57	4850	108%	3
25-1866	9/3/2025	28	73415	4.00	12.57	5840	130%	3
25-1867	9/3/2025	28	74310	4.00	12.57	5910	131%	3
25-1868	9/3/2025	28	64730	4.00	12.57	5150	114%	2
25-1869	10/1/2025	56	72395	4.00	12.57	5760	128%	2
25-1870	10/1/2025	56	75195	4.00	12.57	5980	133%	3
25-1871	10/1/2025	56	70690	4.00	12.57	5630	125%	3

Remarks:

Copies to:

TYPES OF FRACTURE



Reported by:

Stefan Mack

Stefan Mack

P.E. Engineer in Charge