



CONSTRUCTION CONSULTING & TESTING, INC.

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DETROIT OFFICE - 35410 Mound Rd. Sterling Hts., Michigan 48310 Ph.: (586) 795-2877

Client: Century Cement
12670 Sibley Road
Riverview, MI 48193

Project: PW 7023

MDOT:

Date: August 5, 2021

CCT No.: 201-20086-7A

REPORT OF CONCRETE COMPRESSIVE STRENGTH

DATE OF POUR: 7/8/2021

LOCATION OF POUR: Pavement: NB Conner south of Chandler

SUPPLIER: Hercules

TICKET NO.: 423695

MIX I.D.: P1-DETMR-1

FIELD DATA: Set 1 of 1

DATE: 7/8/2021
BATCH TIME: 12:38 PM
TEST TIME: 1:55 PM
AIR CONTENT (%): 6.9%
SLUMP (in.): 3 3/4
CONC. TEMP. (F): 82
AIR TEMP. (F): 74
UNIT WT. (pcf): ---
MOLDED BY: CCT

***Testing conforms to ASTM C 172, C 231, C 143, C 1064, C 138, C 31, & C 39/C 39M

LAB NO.	BREAK DATE	AGE (days)	DIA. (in)	AREA (sq. in.)	LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE OF FRACTURE
1184	07/15/21	7	4	12.56	49,450	3940	3
1185	07/15/21	7	4	12.56	47,530	3780	5
1186	08/05/21	28	4	12.56	57,500	4580	3
1187	08/05/21	28	4	12.56	58,040	4620	2

Cylinder Size: 4" x 8"

28 DAY AVERAGE

4,600

28 DAY SPEC.

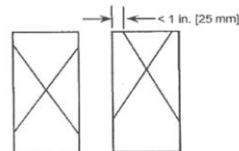
3,500

Comments:

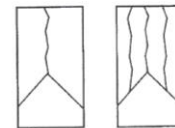
Reviewed By:

Mitch Forst, President

Distribution: Century Cement



Type 1
Reasonably well-formed cones on both ends, less than 1 in. [25 mm] of cracking through caps



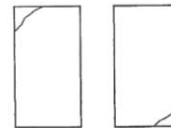
Type 2
Well-formed cone on one end, vertical cracks running through both ends, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Typical Fracture Patterns