



28001 Cabot Drive, Suite 250

Novi, MI 48377

Phone: (248) 486-5100

Fax: (248) 486-5050

Concrete Test Report

Project No.: 1192040025

ReportNo: CTR:FH19-W02515-C01

Client: Merlo Construction Company

CC:

Project: MDOT - Various Detroit 2019-2020

Detroit, MI

Results relate only to the items inspected or tested. This report shall not be reproduced (in part or whole) without the



Reviewed By: Timothy A. Moore, Jr.

Mix Data

Supplier: Superior Materials
Plant: 32 - Jefferson Detroit
Mix: DDP155E7Cement Type: 1
Admixtures: AEA,WR

Specified Design Strength (psi): 3500 at age 28 days

Sample Details

Date Sampled: 11/05/19
Sample Location: Southbound curbline at Whitlock & Southfield
Contractor: Merlo Construction
Truck/Ticket: /2460209
Sampled By: Mike Potts
Weather: Mostly SunnyBatch Size (yd³): 11.00

	Measured	Specified
Slump (in): ASTM C 143	3	0.00 to 3.00
Air Temp (°F):	41	
Concrete Temp (°F): ASTM C 1064	67	
Air Content (%): ASTM C 231	6.9	5.50 to 8.00
Unit Weight (pcf): ASTM C 138	N/A	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in ²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)
FH19-W02515-C01\1	11/12/19	7	4.02	8.06	12.69	U	46875	2	3690
FH19-W02515-C01\2	12/03/19	28	4.01	8.05	12.63	U	59715	3	4730
FH19-W02515-C01\3	12/03/19	28	4.01	8.09	12.63	U	58520	2	4630
FH19-W02515-C01\4		Hold							

Average 28 Day Compressive Strength (psi) 4680
Required Strength (psi) 3500

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
Sampled from Truck Chute

Remarks

Fracture Type: 2 = Well-formed cone on one end, 3 = Columnar vertical cracking through both ends