



Concrete Cylinder Test Report

PROJECT INFO - DRAFT ONLY

ASTM C31, ASTM C39, AASHTO T23, AASHTO T22, ASTM C172, AASHTO R60

Client	HRC	Date Of Placement	08/31/2020
Project Name	Various Locations in the City of Detroit	Specimen Type	Concrete Cylinder
Project Number	2018052L-008	Contractor	WEST SIDE
Project Location	Detroit, MI	Concrete Supplier	Superior Materials, LLC
MDOT Job Number	82000	Field Tested By	Robert Rety
MDOT Control Section	205931A	Date Issued	08/31/2020

Results Recorded In	English Units
Supplier Mix Description	Pavement / Sidewalk

DESIGN PARAMETER

Mix Design Number	0822 P1-SM				
Design Compressive Strength (psi)	3500				
Air (% Max)	8.5	Slump (in Max)	6.00	Unit Weight (lbs/ft ³)	
Air (% Min)	5.5	Slump (in Min)	3.00		

TESTING DATA

Placed	11.00	+/- yds ³ /ft ³ of concrete at the following location: Curb and sidewalk at Lafayette and Rivard							
Time Tested	Truck Num	Slump ASTM C143 (in)	Air ASTM C231 or C173 (%)	Unit Weight ASTM C138 (lbs/ft ³)	Air Temp (°F)	Mix Temp ASTM C1064 (°F)	Concrete Cylinder Set	Water Added (gal)	Cumulative Concrete Placed At Test (yds ³ /ft ³)
9:25 AM	4413	4.25	5.70	0.0	64	78	1	0	11

MATERIAL DATA

Concrete Cylinder Set	Concrete Cylinder Num	Diameter (in)	X-Sec Area (in ²)	Weight (lbs)	Fracture Type	Capping Process	Age Of Concrete Cylinder (Days)	Date Tested	Total Load At Failure (lbs)	Cumulative Strength (psi/mpa)
1	79893						28	09/28/2020		
1	79894						28	09/28/2020		

Average 28 Day Compressive Strength (psi): 0

*Cylinders tested with Unbonded Caps followed ASTM C1231, cylinders tested with Bonded Caps followed ASTM C617.

*All Air Content % tests were performed per C231 unless otherwise noted in the remarks.

*Inspector was notified of non-conformance items, if any.

*Average Compressive Strength results did not meet project specifications.

Remarks:	
Results Reported To:	
Report Approved By:	Robert Rety