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Report No: CTR:03533627-52-C1

Issue No: 1

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Approved Signatory: William Odell (Senior Project Manager)  
Date of Issue: 9/14/2022

## Concrete Test Report

**Client:** CORE STATES GROUP  
3039 PREMIERE PARKWAY, SUITE 700  
DULUTH, GA 30097

**CC:** C FAIRBANKS  
CHRIS DIAMOND  
GREG HELLBUSCH  
J SANCHEZ  
JOSE SANCHEZ  
L MCKINZY  
S KESHETTY  
SUNIL DUBEY

**Project:** CHASE BANK-LEE'S SUMMIT  
LEE'S SUMMIT, MO

### Mix Data

	Material	Source	Amount	Moisture
Mix Submitted By:	Geiger Ready-Mix			
Supplier:	Geiger Ready-Mix			
Plant:	Geiger Ready Mix			
Mix Identification:	KC4KBDM40Q			
Specified Design Strength (psi):	4000 at age 28 days			
Design Unit Weight (pcf):				
Water Cement Ratio (lb/lb):				

### Sample Details

Date Sampled:	09/06/22	Date Received:	09/07/22	Specification:	Mix Design
General Location:	Sidewalk				
Sample Location:	South side of bank along Langsford Rd.				
Curing Method:	One day Field/Laboratory Cure				
Initial Cure Temp (°F) High:					
Low:					
Contractor:					
Ticket no.:	863661	Truck No.:	466		
Sampled By:	Doug Deering				
Weather:					
Est. Wind (mph):		Est. Rh (%):			

	Measured	Specified	
Slump (in):	ASTM C 143	7	
Slump w/ plasticizer (in):		N/A	
Air Temp (°F):		75	
Concrete Temp (°F):	ASTM C 1064	85	
Air Content (%):	ASTM C 231	6.8	
Unit Weight (pcf):	ASTM C 138	N/A	
Volume of Density Measure (ft³):		N/A	
Batch Size (yd³):	10.0	Time Batched:	10:51
Yd³ Placed:	10.0	Time Sampled:	11:15
Water Added (gal) Before:	0	Time Placed:	11:30
After:	0	Time in Truck (mins):	39

### Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (Days)	Diameter (in)	Length (in)	Area (in²)	Type of Cap	Maximum Load (lbf)	Fracture Type / Remarks	Compressive Strength (psi)	Tested By
03533627-52-C11	09/13/22	7	4.01	7.43	12.63	U	42830	3	3390	Robert Anderson
03533627-52-C12	10/04/22	28				U				
03533627-52-C13	10/04/22	28				U				
03533627-52-C14	10/04/22	28				U				
03533627-52-C15		Hold				U				

Average 28 Day Compressive Strength (psi)

Required Strength (psi) 4000

### 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, C = Combined, G = Ground

### Remarks

Fracture Type: 3 = C39: Vert cracking/no cones; C1314: Cone & Split