

CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000035 Sample 266150 28-day Report Date: 11/05/2021

**Sample: 266150** 

S&ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616 Phone: 919-872-2660 Fax: 919-876-3958

Client: Project:

SHEETZ. Inc. 214164

1737 White Kennel Road Sheetz #716 Cameron Burlington, NC 27215 Intersection of Sawyer Rd and NC Hwy 24

Cameron, NC 28326

**Sample Details** HAZEM ISMAIL Set #: 17 Technician: Batched: 12:37 EDT Specimen Size: 4" X 8" Cast By: HAZEM ISMAIL Sampled: 13:05 EDT **Date Cast:** 10/04/21 Cast: 13:17 EDT Specimens In Set: Truck / Ticket #: 2016 / 2446792 Sampled From: Chute Truck Empty: 13:42 EDT **Placement Time:** Contractor: Gates **Placement Method:** Chute 65 (min)

Location

**PAVEMENT** Placement Location: **Location Details:** Light poles Sample Location / Notes: Light poles

**Batch Log Specifications** 05-S & W Concrete Mix Design: G40CB Strength: 4000 (psi) Supplier: Plant: Plant 258 A Air: 4 - 7 (%) Slump: 5 - 7 (in) On-Site Admixtures: None

**Field Measurements** 

Weather: Slump (in): 6 (ASTM C143) Plastic Unit Weight: 143.9 (lb/ft³) (ASTM C138) Air Temperature (F): 80 Concrete Temp (F): 80 (ASTM C1064) Air Content: 4.5 (ASTM C231)

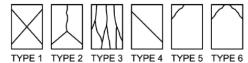
**Load Volume:** 10.00 (yd3)

> **Field Cure Standard Cure**

Lab Test Results										
Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
17-1	7	10/11/21	1/6	4.00	12.57	54,850	4,360	2	P7	U
17-2	28	11/01/21	1 / 27	4.00	12.57	67,075	5,340	3	Р	U
17-3	28	11/01/21	1 / 27	4.00	12.57	71,590	5,700	3	Р	U
17-4	28	11/01/21	1 / 27	4.00	12.57	68,180	5,420	3	Р	U
17-5	28 H	11/01/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4360, 28 Day - 5490

**Capping Methods** P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength. U: Unbonded Caps (ASTM C1231) P: The compressive strength test result meets or exceeds the 28-day specified strength. Tested By: Kara GREGORY (1), NATHAN J MILLER (2,3,4,5) Checked In: 10/05/2021 (1,2,3,4,5)



Reviewed/Prepared by: Jan ROSS Nov 05, 2021