

Date : 04/21/2023
Project No : 2023C111
Client Company : 2MATL
Arrival Time : 04/21/2023 07:00
Onsite Hours : 04:00

ASEC Report ID : 58976
Name of the Project : DOA Fiber Infrastructure Improvements
Project Location : HJAIA
Weather : Sunny
Departure Time : 04/21/2023 11:00
ASEC Technician Name : Isaac Davis

Location(S): Generator pad at Vault #2

Testing: One set Set of concrete specimens (6 Cylinders per set) were cast during the cast-in-place concrete pour at the above referenced location, in accordance with ASTM C31. The cylinders will remain on site for the initial 24-48 hrs curing.

Compliance: ☐ Field placement of concrete appeared to be in general accordance with the project specifications (i.e., slump, temperature, etc) (refer to remarks below)
☒ Deviations and/or noncompliances were noted during the field placement (refer to remarks below)

Cylinders Pick Up: One set Sets of concrete cylinders/ 6 cylinders per set were picked up & transported to AS Engineering and Consulting LLC (ASEC) for curing and testing in accordance with ASTM C39, C670/1231

Field Curing: Cylinders were stored for the initial 24 hours
☒ Near the poured structure
☐ In an insulated curing box
☐ Other

Remarks: Once arrived at the project for the concrete placement, I followed up on another observation of project to make sure everything was still acceptable. When the testing was completed, the Air was not in compliance with specifications. I discussed with the contractor about the air not falling into specification. On the second load another Air check was completed, and the air came up to 1.3%. The contractor was informed as well of the air not being in compliance with specifications. slump: 4.75 air: 2.5% temp: 63 unit weight: 144.4 pcf air re-check: 1.3 %

The results presented in this report relate only to the items tested. This report shall not be reproduced, except in full, without written approval from AS Engineering and Consulting LLC.

Date : 04/21/2023
Project No : 2023C111
Client Company : 2MATL
Arrival Time : 04/21/2023 07:00
Onsite Hours : 04:00

ASEC Report ID : 58976
Name of the Project : DOA Fiber Infrastructure Improvements
Project Location : HJAIA
Weather : Sunny
Departure Time : 04/21/2023 11:00
ASEC Technician Name : Isaac Davis

PLACEMENT INFORMATION

Set Number: Date Sampled: 04/21/2023 Sampled By: Isaac Davis Contractor: Athena Truck Number: 239 Time Batched: 07:26 Location of Placement: Generator pad at Vault #2 Number of samples cast: 6 Ambient Temperature (°f): 59 Slump (in.): 4.75	Laboratory Number: Time Sampled: 07:53 Concrete Supplier: Ernest Mix ID: 45CA65 Quantity of Load (cu. yd.): 9 Specified Strength : 4500 Concrete Temperature(°f): 63 Air Content (%) : 2.5 Water added (gal.): 1
--	---

Specimen Number	Age (Days)	Date Tested	Dia(in.)	Area (sq in.)	Maximum Loads (lbs)	Strength (psi)	% Design Strength	Type of Fracture
1								
2								
3								
4								
5								
6								

UNLESS OTHERWISE SPECIFIED, TESTS WERE PERFORMED IN ACCORDANCE WITH ASTM TEST METHODS C31, C39, C138, C143, C173, AND C1064. FRACTURE TYPE INDICATED BY NUMBER

(Type 1) Cone (Type 2) Cone-split (Type 3) Vertical (Type 4) Shear (Type 5) Edge Fracture (Type 6) Pointed

Kenneth Mosman
Kenneth Mosman