

**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: FTW475 Front Gate
Fort Wainwright, AK
Client: Eklutna Construction****Project #: 2025-063
Date: May 22, 2025
Area Tested: Gaffney West Outbound lane****Material / Source:**
Gravel/ Exist 143.3**Gauge: Instrotek 3500 Ser: # 3599
Operator: Markus Mack**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	exist	8	1	Gaffney West Outbound lane	147.0	3.7	141.8	143.3	98.9%	95%
2	exist	8	1	Gaffney West Outbound lane	145.8	4.1	140.1	143.3	97.7%	95%
3	exist	8	2	Gaffney West Outbound lane	145.8	3.6	140.7	143.3	98.2%	95%
4	exist	8	2	Gaffney West Outbound lane	148.6	5.8	140.5	143.3	98.0%	95%
5	exist	8	3	Gaffney West Outbound lane	147.6	5.6	139.8	143.3	97.5%	95%
6	exist	8	3	Gaffney West Outbound lane	143.9	4.1	138.2	143.3	96.5%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager