

**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: August 21, 2025
Area Tested: Gaffney West Inbound Lanes Curb****Material / Source:**
Gravel/ Exist 143.3**Gauge: Instron 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	2	Gaffney West Inbound lanes Curb	142.4	4.3	136.5	143.3	95.3%	95%
2	exist	8	2	Gaffney West Inbound lanes Curb	143.8	4.9	137.1	143.3	95.7%	95%
3	exist	8	2	Gaffney West Inbound lanes Curb	142.9	4.6	136.6	143.3	95.3%	95%
4	exist	8	2	Gaffney West Inbound lanes Curb	143.5	4.9	136.8	143.3	95.5%	95%
5	exist	8	2	Gaffney West Inbound lanes Curb	148.4	4.8	141.6	143.3	98.8%	95%
6	exist	8	2	Gaffney West Inbound lanes Curb	148.3	5.0	141.2	143.3	98.6%	95%
7	exist	8	2	Gaffney West Inbound lanes Curb	149.1	4.7	142.4	143.3	99.4%	95%
8	exist	8	2	Gaffney West Inbound lanes Curb	147.5	4.5	141.1	143.3	98.5%	95%
9	exist	8	2	Gaffney West Inbound lanes Curb	147.3	4.3	141.2	143.3	98.6%	95%
10	exist	8	2	Gaffney West Inbound lanes Curb	144.6	4.0	139.0	143.3	97.0%	95%