

2022 Statewide Lidar Program ADDENDUM #3

Posted January 4, 2022

Consulting Engineering, Photogrammetric, or Land Surveying Firms to Perform the Described Professional Services for Multiple Projects

Interested Consultant:

The following changes will be made to the requirements for the letter of interest:

LiDAR Accuracy Requirements

Table VIII-1 – Airborne LiDAR (AL) Tolerance and Accuracy

Operation/Specification	Type of Surveys	
	AL - A	
Hard Surfaces	± 0.10 ft	
Non-Vegetative Surfaces	± 0.20 ft	
Vegetative Surfaces	± 0.30 ft	
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3 rd Order	
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft	
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements	
Validation point maximum stationing spacing throughout the project	Must support surface accuracy requirements	
Point Density	≤ 5 points/feet ²	

Table VIII-1 – Terrestrial Mobile LiDAR (TML) Tolerances and Accuracy

Operation/Specification	Type of Surveys
	TML - A
Hard Surfaces	± 0.06 ft
Non-Vegetative Surfaces	± 0.12 ft
Vegetative Surfaces	± 0.20 ft
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3 rd Order
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Validation point maximum stationing spacing throughout the project	Must support surface accuracy requirements
Point Density	≤ 20 points/feet ²

Table IX-1 – Airborne and Terrestrial LiDAR Integration (ATLI) Tolerances and Accuracy

Operation/Specification	Type of Surveys
	ATLI - A
Hard Surfaces	± 0.06 ft
Non-Vegetative Surfaces	± 0.20 ft
Vegetative Surfaces	± 0.30 ft
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3 rd Order
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Validation point maximum stationing spacing throughout the project	Must support surface accuracy requirements
Point Density	Airborne = ≤ 5 points/feet ² Mobile = ≤ 20 points/feet ²