



Joshua Young
Air Safety Investigator
AS-ERA

Date: 10/22/2025

Subject: ERA25FA151, Engine RPM from Propeller Strike Marks

At the scene of this accident propeller strike marks were observed on the runway pavement consistent with the accident airplane's wreckage path. Measurements of these strike marks were taken. Based on the number of propeller blades, last recorded ground speed from the onboard avionics, and distance between strike marks an estimated engine RPM was calculated. The estimated RPM was calculated at 2659 RPM, which would be consistent with full power operation at the time the propeller struck the pavement.



Figure 1: View of the propeller strike marks along the wreckage path.

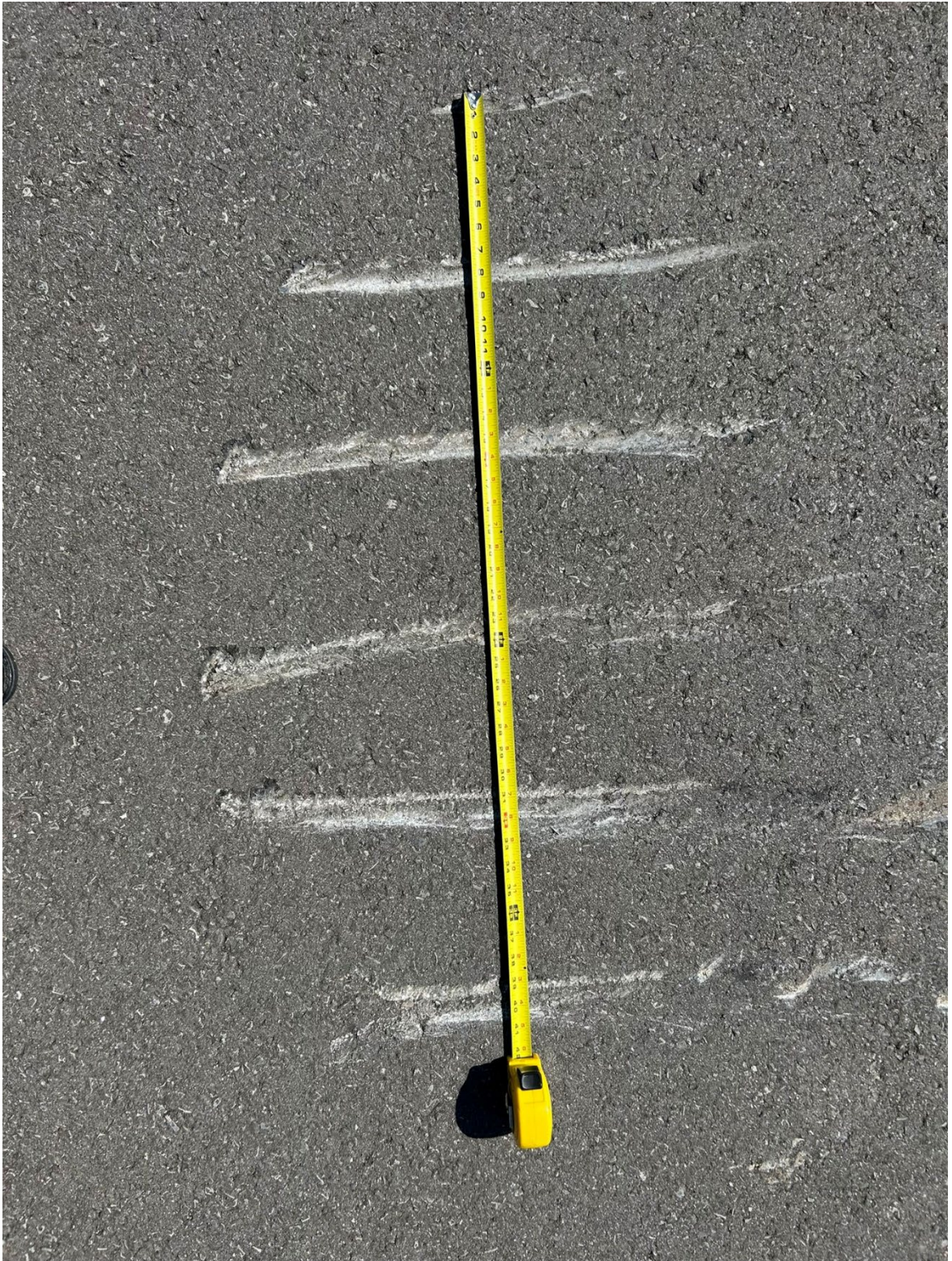


Figure 2: View of the propeller strike marks with a scale for reference.