

This is to acknowledge that

Luciano Aparecido de Moura

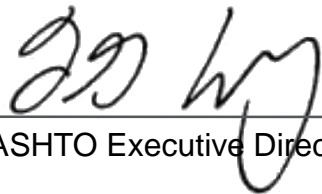
Roadrunner Engenharia, Ltda.

is a certified

FWD Calibration Center Operator

and demonstrated proficiency in the calibration of falling weight deflectometers
in accordance with AASHTO R 32 on the 18th of September, 2019

Expires on the 18th of November, 2021



AASHTO Executive Director



Chair, AASHTO Highway
Subcommittee on Materials