FLORIDA STATE UNIVERSITY FAMU-FSU COLLEGE OF ENGINEERING

By

PARNIAN ABDI

A Thesis submitted to the
Department of Civil and Environmental Engineering
in partial fulfillment of the
requirements for the degree of
Master of Science

Parnian Abdi defended this thesis on July 12, 2021.

The members of the supervisory committee were:

Nasrin Alamdari

Professor Directing Thesis

Wenrui Huang

Committee Member

Clayton Clark

Committee Member

Aavudai Anandhi

Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the thesis has been approved in accordance with university requirements.