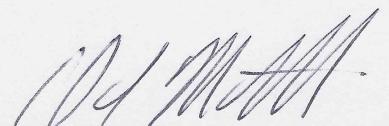


REAL TIME KINEMATIC
GLOBAL NAVIGATION SATELLITE SYSTEMS
IN RAILROAD TRANSPORTATION

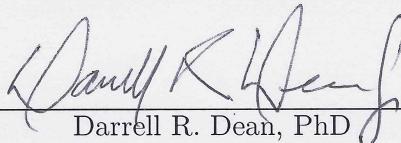
by PETER JOSEPH DAILEY

A Dissertation Submitted to the Graduate
Faculty of West Virginia University
in Partial Fulfillment of the
Requirements for the Degree of
Doctor of Philosophy
Major Subject: Civil Engineering

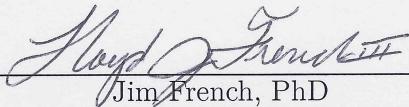
COMMITTEE



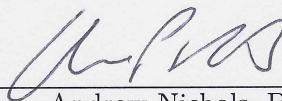
David R. Martinelli, PhD, chair



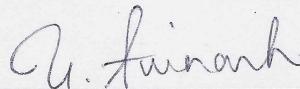
Darrell R. Dean, PhD



Jim French, PhD



Andrew Nichols, PhD



Avinash Unnikrishnan, PhD